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ABSTRACT

The 12th annual report on continuing education activities of The University of British Columbia (UBC) Canada is presented. It covers the period of September 1987 to August 1988. Nineteen sections cover the following: Office of Extra-Sessional Studies; faculty of education off campus credit courses; UBC access; guided independent study; Centre for Continuing Education; Division of Continuing Education in the Health Sciences; professional programs of the Faculty of Commerce and Business Administration; Professional Continuing Education Program of the School of Social Work; faculty of education non-credit activities; professional continuing and distance education activities of the Faculty of Forestry; School of Physical Education and Recreation Community Sport Services Adult Program; Museum of Anthropology: exhibits and programs; UBC botanical garden; free public lectures, courses, seminars; demonstrations, scientific exhibits and public information service; public concerts, theatre performances and art exhibits; province-wide continuing education services; UBC Speakers Bureau; and statistical summary of UBC continuing education programs 1986-87. Highlights include the following: enrollment in credit courses administered by the Office of Extra Sessional Studies increased markedly in all three sessions; the general economic upturn in the province had a positive impact on enrollment in programs offered by the Centre for Continuing Education; and in 1988 the UBC Speakers Bureau expanded its scope to include servicing traditional nonprofit community user groups. (SM)

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Part-time Studies, Distance Education, Continuing Education and Cultural Activities of

The University of British Columbia

1987—1988

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UBC Fine Arts Gallery	228-2759
UBC Speakers Bureau	228-6167

PART-TIME STUDIES, DISTANCE EDUCATION, CONTINUING EDUCATION AND CULTURAL ACTIVITIES 1987-1988

A Report to the President

the Senate and

the Board of Governors

September 1, 1987 - August 31, 1988

CONTENTS

Highlights	1
Introduction	3
Office of Extra-Sessional Studies	9
Faculty of Education Off Campus Credit Courses	12
UBC Access: Guided Independent Study	13
Centre for Continuing Education	19
Division of Continuing Education in the Health Sciences	36
Professional Programs of the Faculty of Commerce and Business Administration	52
Professional Continuing Education Program of the School of Social Work	55
Professional Continuing and Distance Education Activities of the Faculty of Agricultural Sciences	58
Faculty of Education Non-Credit Activities	60
Professional Continuing and Distance Education Activities of the Faculty of Forestry	64
School of Physical Education and Recreation Community Sport Services Adult Program	66
Museum of Anthropology: Exhibits and Programs	67
UBC Botanical Garden	70
Free Public Lectures, Courses, Seminars	71
Demonstrations, Scientific Exhibits and Public Information Service	74
Public Concerts, Theatre Performances and Art Exhibits	75
Province-wide Continuing Education Services	79
UBC Speakers Bureau	80
Statistical Summary of UBC Continuing Education Programs 1986-87	81

HIGHLIGHTS

*The University of British Columbia in its mission statement, issued in November 1977, afforded an important place to continuing education. Some ten years later the University is re-examining its role and goals and is working on a new mission statement, including its policy on continuing education. (pp. 3-4)

*The University will carry out in 1988-89 the first comprehensive review in 18 years of continuing education at UBC. (p. 5)

*Enrollments in credit courses administered by the Office of Extra-Sessional Studies increased markedly in all three sessions: Winter Session by 14%, Spring Session by 39% and Summer Session by 16%. Over the past eight years there has been a general trend during the Winter Session for full-time students in classes offered after 4:30 p.m. to form some two thirds of the enrollment. (pp. 9-11)

*The Faculty of Education enrolled 1,728 teachers in 93 credit courses offered in 65 different locations throughout B.C. A variety of approaches were used to deliver these courses, including face-to-face instruction plus teleconferences, courses offered on the Knowledge Network, and video study groups supplemented by teleconferences. (p. 12)

*UBC Access: Guided Independent Study expanded student services and audio-teleconferences, implemented new course evaluation, developed four new courses and revised four existing courses. A major advertising campaign was carried out to increase awareness throughout the province of the distance education opportunities available. (pp. 13-14)

*The general economic upturn in the province had a positive impact on enrollment in programs offered by the Centre for Continuing Education. The overall registration totalled 34,982, an increase of 5,425 registration (18.35%) over last year. This marked increase in enrollment resulted in a better financial situation for the Centre and enabled it to end the 1987-88 fiscal year with a marginal surplus after deficits in the previous two years which, carried as debt, added to the increasing financial burden on the Centre. (pp. 20-21)

*The Division of Continuing Education in the Health Sciences re-activated programs in Rehabilitation Medicine, and created a new sub-division for Interprofessional Continuing Education in the Health Sciences. After years of sustained efforts to obtain funding for research into the impact of continuing education on professional practice, the Division received a grant from the B.C. Medical Association to carry out "impact" research over a four year period. The Division carried on with its significant distance education program, but noted that reductions in funding from government sources make the future of the Division's involvement in distance education ventures uncertain. (pp. 36-39)

*The Faculty of Agricultural Sciences continued in its shift in emphasis towards distance education. Four credit courses are now offered through multi-media distance delivery, while additional courses are being developed. This program enables residents in the college regions to complete the UBC Agricultural Sciences' first and second year in their home community. (pp. 58-59)

*The Faculty of Education expanded further its important provision of non-credit continuing education to teachers throughout the province and details this service by 134 members of the Faculty in 13 different programs and departments. (pp. 60-63)

*The Faculty of Forestry continued with the development of its distance education program, first established in 1981. This program, serving students and professionals in all areas of British Columbia, now has seven credit courses and two non-credit courses. (pp. 64-65)

The UBC Speakers Bureau expanded in 1988 its scope to include servicing traditional nonprofit community user groups. (p. 80)

INTRODUCTION

This is the twelfth comprehensive annual report on continuing education activities of The University of British Columbia. The first report, for academic year 1976-77, covered only activities of the then five designated units responsible for continuing education. This report, covering the period from September 1, 1987 to August 31, 1988 attempts to cover the much broader scope of continuing education opportunities offered by UBC through many of its faculties, schoools and departments. For the years 1983-84, 1984-85, and 1985-86, this report included only information on the non-credit activities of the University. Since 1986-87, the part-time degree credit programs again have been included.

The provision of continuing education by UBC is decentralized. Several administrative units are responsible for credit and non-credit general and professional continuing education and professional development.

The major administrative units are the Office of Extra-Sessional Studies, UBC Access: Guided Independent Study, the Distance Education Office of the Faculty of Education, the Centre for Continuing Education, the Division of Continuing Education in the Health Sciences, the Professional Programs of the Faculty of Commerce and Business Administration, the Continuing Education Program in Social Work, the Continuing Education and Communications Division of the Faculty of Agricultural Sciences, and the Off campus Programs in Continuing Education of the Faculty of Forestry.

In addition, other units of the University, among these the Botanical Garden, the Museum of Anthropology, the UBC Research Forest, the School of Music and the Theatre Department provide considerable continuing education and cultural opportunities through lectures, demonstrations, exhibits, film showings, concerts, recitals and readings.

Free public seminars and lectures are organized by a number of academic departments and institutes, and public services such as the Hotline are provided to the public. In these ways UBC contributes significantly to the education of adults, the dissemination of knowledge, and the cultural life on the Lower Mainland and further afield.

The University of British Columbia in its mission statement, issued in November 1979, afforded an important place to continuing education. In the statement of its mission the University included among the four responsibilities "a wide array of programs in continuing education for the general public and for the professions". Further on the University listed among its goals and objectives:

> To expand continuing education programs for the general public and, in co-operation with professional associations, to increase opportunities for continuing education in the professions. The University believes that all such programs are of great importance to the public and the professions.
>
> To continue to render direct service to the public by providing non-University users with access to the Library, the Computing Centre, the Museum of Anthropology, the Botanical Garden, the research forest at Haney and the University's attached facilities. The objective is to provide the general public with opportunities to participate in University programs and to develop active interfaces with the University.

Some ten years later and in different social, economic and political circumstances, the University is re-examining its role and goals and is working on a new mission statement to take the University to the year 2,000. The fifth draft of the *Mission Statement*, made public in June 1988, takes the following position on non-credit continuing education provided by The University of British Columbia:

> Many institutions in the province offer continuing education opportunities. The university's contributions should be seen in that context, building on the strengths in arts

and sciences, in the professional faculties, and in research, finding their base in the teaching and research in which the university is engaged.

The university should be mindful of its obligations to communities outside the Lower Mainland, and should explore ways of bringing its special expertise to communities outside the greater Vancouver area. In some cases, this may be cost effective only if courses are delivered by distance education techniques and intense short-courses, on-site, may be most effective.

Non-credit continuing education is a field in which demand and opportunity can change rapidly. Therefore, the university should not establish a large permanent infrastructure, and financing should be only on a fully self-supporting basis. It is reasonable to expect those who are upgrading their work skills, or their employers, to pay at least the operating costs of continuing education. It is equally reasonable to expect costs to be paid by those who wish to explore areas of personal interest. Important though it may be, continuing education should not represent a charge against the general operating funds of the university.

The draft of the *Mission Statement* also includes the following position regarding part time students:

Part time students may be divided into two groups. First, are young students completing a first degree who may not be able to attend university on a full time basis. Increasingly, students in the 18-24 age range find they cannot afford to attend university full time, so they work and enrol on a part time basis. These are often excellent students who are prepared to make considerable sacrifices to obtain a university education. The second group of part time students are older, may or may not have prior university experience, and may undertake part time study for a variety of reasons--because they need the training in light of changes that are taking place in their workplace, because they are contemplating a change in careers, or simply because they wish to sample what a university has to offer.

For both groups the university must ensure that regulations governing admission and the completion of programs do not contain unnecessary obstacles to part time study, and should offer more late afternoon, evening, spring and summer session courses as part of the standard teaching mission.

There are limitations on the extent to which the university should or can offer the opportunity for part time study. It may not be appropriate in some disciplines. There are financial limitations on what the university can do. It may therefore be necessary to make some fine judgements on the balance between full time and part time enrolments. Finally, and most important, the university must ensure that the educational opportunity offered to part time students is the equal of that offered full time students. It would not be in the interest of part time students or of the university to devalue the quality of their education.

Also in June, the President's Advisory Committee on University Extension, Continuing Studies and Distance Education proposed a statement on the University's *Mission in Continuing Education* which stated, among other:

Accelerating social and economic change has created an imperative for a learning society based on the principle of lifelong education. Today the University has to be engaged in education as a lifelong process in which continuing education becomes increasingly important. Therefore, The University of British Columbia regards continuing education as an important component of its mission...

> In accordance with its commitment to excellence in education and research, and the requirements of the Act [*The University Act*] of 1974, The University of British Columbia readily accepts its responsibility for the provision of continuing education. The continuing education role derives from the main academic function of the University. Through appropriate use of its academic strengths, special capabilities, and human and physical resources, the University provides leadership and seeks to respond to intellectual, social, technical, economic and cultural needs of individuals and society through continuing education programs and services in which it has strength and expertise. These activities serve the needs of business and industry, the professions, and all levels of government.

These statements and their long range implications for the future shape of and developments in continuing education provision by The Unviersity of British Columbia spurred on increased interest in and discussion of continuing education in the university community.

This will be further heightened by the first comprehensive review of continuing education at UBC in 18 years, to be conducted in 1988-89. (The last such review, carried out in 1968-1970 by a Senate committee, and acted on by the Senate in June of 1970, still is the basis for the current structure and scope of UBC continuing education.) As outlined in the *Mission Statement*, the review will be carried out by a task force established by the President's Office

> to review what the university is and should be doing in the field of continuing education, both credit and non-credit, with the mandate of considering, among other things, the administrative and financial basis of the activity.

This long overdue review should have an invigorating effect on all those engaged in or concerned about continuing education, and will have a significant impact on the future direction of UBC continuing education to the end of the century.

PART-TIME STUDY CREDIT PROGRAMS

OFFICE OF EXTRA-SESSIONAL STUDIES

During the academic year, September 1, 1987 to August 31, 1988, the Office of Extra-Sessional Studies completed its twelfth year of operation. As projected, a significant number of students are attending the University on a part-time basis during the day and evening throughout the year.

The primary goal of the Office of Extra-Sessional Studies is to provide for the academic accommodation of part-time students. To encourage faculties and department to provide programs and courses which would enable part-time students to complete all of their degree work by part-time study. Considering the budgetary constraints, the unpredictability of student demand, and the availability of faculty, the general consensus is that the academic needs of the part-time student population are still being met.

Winter Session (901)

A total of 403 after 4:30 courses were given through either this Office (901 sectioned courses) or as departmental on-load offerings. These courses enrolled 9,214 students, 6,524 of whom were full-time students, an increase of 1,175 full-time from 1986-87.

The number of part-time students registered in the 1987-88 late afternoon and evening Winter Session courses was 2,690. Of this number, 828 were taking only evening or late afternoon courses; the remaining 1,862 were taking at least one daytime course. This figure (2,690) represents an increase of 337 student registrations (14%) from 1986-87, which indicates a significant increase in part-time student enrolments.

The above data shows that 70% of those registered in after 4:30 classes were full-time students, and 30% were part-time students. This two-third/one-third ratio of full to part time students has been the general trend over the past eight years. Indications are that full-time students can schedule a more flexible timetable by taking one or two evening courses, thus freeing up blocks of time during the day for study or employment.

Spring Session (921)

The 1988 Spring Session enrolled 6,842 students. Of this number 4,266 undergraduate and graduate students were registered in 921 sectioned courses, the remainder, 2,576 were registered in Medicine or for thesis work.

Of the 6,842 students registered 2,105 (31%) were in the Faculty of Arts, 821 (12%) in Education, 1,504 (22%) in Science, 464 (7%) in Commerce, 449 (7%) in Applied Science, and 915 (13%) in Medicine, 335 (5%) were registered in Agricultural Sciences, Pharmacy, Law, Forestry, Architecture, Social Work, and Nursing. The remaining 249 (3%) students were unclassified or qualifying, Senior Citizens or auditors.

In 1988 there were 155 on-campus 921 sections with 4,380 course enrollees. This compares with 140 sections in 1987 with 3,311 enrollees. The average enrolment per undergraduate section was 32.93 compared to 24.81 in 1987. Of the 155 courses offered, 22 were graduate courses that enrolled 271 students or 12.31 enrollees per section. In addition there were 6 on-load sections (971) offered enrolling 216 students. Thus the total course enrollees were 4,596 which represents an increase of 1,286 (39%) over the 1987 figure of 3,3ll.

Summer Session (951)

The 1988 Summer Session, U.B.C.'s 69th, enrolled 6,651 students. Of this number 4,045 undergraduate and graduate students were registered in 951 sectioned courses, the remaining 2,385 were registered in Medicine or for thesis work.

Of the 6,651 students registered 1,638 (25%) were in the Faculty of Arts, 1,960 (29%) in Education, 1,358 (20%) in Science, 168 (3%) in Commerce, 435 (7%) in Applied Science, and 627 (9%) in Medicine. One hundred and ninety-three (3%) were registered in Agricultural Science, Pharmacy, Law, Forestry, Architecture, Social Work, and Nursing. The remaining 272 (4%) students were unclassified, qualifying, auditors or Senior Citizens.

The 4,045 students registered in 951 sectioned courses represent an increase of 564 (16%) from the 1987 student enrollment of 3,481.

In 1988 there were 256 on-campus 951 sectioned courses with 4,221 course enrollees. This compares with 269 sections in 1987 with 4,359 enrollees. The average enrollment per section in 1988 was 16.49 enrollees and in 1988 was 16.20. Of the 256 courses offered 64 were graduate courses that enrolled 649 students or 10.14 enrollees per section. In addition there were 41 on-load (971 sectioned courses) offered with 414 enrollees. Thus the total course enrollees were 4,635, which represents an increase of 276 (6%) over the 1987 figure of 4,359.

Calendar

Since 1981 this Office has producced its two annual calendars by computer, a first for the University which has resulted in considerable savings in budget and staff time. Also, each calendar is dedicated to a particular subject area or department on campus; the artistic and pictorial resources from these departments are used on the colour cover and in the body of the calendar. This innovative concept also resulted in this Office winning the creative programming award in the Administrative category at the 1986 WASSA (Western Association of Summer Session Administrators) conference in Hawaii. To date, we have featured the Education Art Department (Spring and Summer 1981); Theatre Department (Winter 1981-82); the Asian Studies and Fine Arts Departments (Spring and Summer 1982); Museum of Anthropology (Winter 1984-85); the Geography Department (Spring and Summer 1985); History Department and Library Archives during Vancouver's Centennial (Winter 1985-86); Facilities Planning Department (Spring and Summer 1986); Geological Sciences Department and Museum (Winter 1986-87); School of Music (Spring and Summer 1987); Biomedical Communications Division of the Faculty of Medicine (Winter 1987-88); and Geophysics and Astronomy Department (Spring and Summer 1988).

Telereg

The 1988 Spring and Summer Sessions was the inception of Telereg, a registration procedure by which a student may register using a touch-tone telephone. A very general evaluation of the system was that it worked very well from both the student and the Registrar's point of view.

From our point of view there needs to be two adjustments made:

1. Some method by which a "waiting list" could be maintained. At this time when a course is full there is no way of knowing if there are enough students interested in the course to add another section. The result being that we lose the student altogether or that they take another course.

2. Telereg should only indicate that a course is full when it reaches the "academic" limit not its room size limit. Many courses showed full when in fact there was no reason to close the course other than it had reached the stated room size.

EXTRA-SESSIONAL ENROLMENTS 1987-88

	Sections		Enrolees		Totals	
Winter Session	403		2,690	(part-time)		
			6,524	(full-time)	9,214	
Spring Session	155	(921)	4,380			
	6	(941)	216		4,596	
Summer Session	256	(951)	4,221			
	41	(971)	414		4,635	
					18,445	
					-6,524	(full-time)
Total Extra-Sessional Enrolment					11,921	

FACULTY OF EDUCATION OFF-CAMPUS CREDIT COURSES

During the period September 1, 1987 to August 31, 1988, the Faculty of Education offered a wide range of credit courses for practicing teachers working toward the completion of undergraduate degrees in education, post-baccalaureate Diplomas in Education, and Graduate degrees. All in all 1,728 teachers were enrolled in 93 education courses that were taught in 65 different locations. A variety of approaches were used to deliver these courses, including face-to-face instruction plus teleconferences, courses offered on educational television (the Knowledge Network), and video study groups supplemented by teleconferences.

Courses that are presented face-to-face or developed for independent study in the form of video and print materials are offered in response to requests from teachers through an annual process of needs assessment. Approximately 90 faculty members or other qualified instructors were involved in teaching and developing these courses. Through the medium of television, a limited number of courses are available to every teacher in B.C. who can access the Knowledge Network. Locations for face-to-face instruction ranged from sites in Dawson Creek and Prince Rupert in the northern part of the province to locations in the east Kootenays, the southern interior and Vancouver Island.

From 1975, when these programs began, to 1982, most of the off-campus course participants were enrolled in degree completion programs. During that period all instruction was an on-site face-to-face activity and the number of teachers without degrees was reduced from 33% of B.C.'s teaching force to 18%. Today, the majority of teachers enrolled in courses have at least a Bachelor's Degree and are doing a qualifying year, or working toward a Diploma or Master's Degree in Education. The preferred mode of course delivery is face-to-face instruction but broadcast television programs and video study groups are gaining in popularity and are especially valued by teachers in remote areas or in small school districts that are unable to bring together the minimum number of teachers that are required for face-to-face instruction.

Off-campus students receive excellent library service through "Dial-A-Book" and participants in tele-courses have toll-free telephone access to course tutors on a weekly basis. In general, this program of continuing education for practising teachers receives high evaluations from participants.

FACULTY OF EDUCATION
OFF-CAMPUS CREDIT COURSE ENROLLMENT 1987-88

	No. of Locations	No. of Courses	No. of Participants
Undergraduate Course	29	64	1,283
Graduate Courses	14	14	173
Video Study Groups	22	7	92
Knowledge Network (Satellite)	Public Broadcasting	6	180
TOTAL	65	93	1,728

UBC ACCESS: GUIDED INDEPENDENT STUDY

UBC Access: Guided Independent Study provides distance education credit programs and courses in the fields of Agricultural Sciences, Arts, Education, Forestry and Nursing for a growing number of part-time students as well as full-time students who enroll over the summer period. The Department's responsibilities include the development of new courses, maintenance and revision of existing ones, delivery of courses to students, and provision of a variety of student services such as the long distance telephone service, organization of laboratory and clinical sessions, and coordination of student links to tutors, the library, and UBC administrative offices.

Student Services

Expansion and improvement of student services continued throughout this academic year. The grant-supported telephone service enables students to place long distance calls (at no charge to them) to their tutors and other UBC Access service departments. Last year's total of 2,985 calls included an increased number of phone contacts between students and staff at the Guided Independent Study and Registrar's Offices.

Because of positive student responses to audio-teleconferences in distance education courses, their use was further expanded. These tutor-led seminars, organized by Guided Independent Study, were carried out in one new course each in Arts, Education, and Nursing, in addition to those that continue to be held annually in several other Nursing and Forestry courses. A total of 23 audio-teleconferences was held in UBC Acces courses during this period.

Four forestry laboratory sessions and clinical meetings in two nursing courses were organized and carried out on the UBC campus for 78 students.

The new course evaluation form designed in 1987 by Guided Independent Study staff with assistance from the Education Measurement Research group was implemented during this year. Analysis of the student responses is now an ongoing activity. The results indicate that most UBC Access students rate the quality of their courses as "good" or "excellent", and that the majority find their distance education courses are superior to on-campus courses they have taken in terms of the structuring of the course content, the pace of presentation, and the grading standards. Students also find in most cases that the workload is substantially heavier in Access courses. Suggestions for improvements in specific areas are providing guidance both in carrying out revisions to course materials and in improving services.

Development

Four new UBC Access: Guided Independent Study courses were developed, and one major and three minor revisions were carried out in this period. The new developments included a further Nursing course in the BSN degree completion program, a forestry biometrics course for college students planning to enter UBC at the second year level, and two additional courses in the Agricultural Sciences program. The major revision involved the preparation of new core material for Geophysics and Astronomy 310. This was published as a textbook that has been adopted for both the distance education and on-campus versions of this course. The book was written by a team of faculty members from the Department of Geophysics and Astronomy and published by UBC Access. The other revisions were minor ones completed in two Forestry courses and one Educational Psychology course.

Again this year the UBC Access: Guided Independent Study staff collaborated with Faculty of Education academic staff in the preparation of print and video materials for their Distance Education Office. Our staff contribution involved editing and instructional design of print components and production of video programs for three new courses, as well as completion of one major revision and one minor one.

New Directions

A major advertising campaign was carried out this year to increase awareness both on and off the campus of the distance education opportunities available through UBC Access. A set of six colour brochures was produced, one for each program area and one concerning UBC distance education options in general. These brochures received widespread distribution in the province, and in some cases large mailings to special groups of prospective students such as Registered Nurses were carried out. We also initiated announcements for UBC Access programs or specific course opening dates on the Knowledge Network and on community television and radio stations, as well as placing news items in community newspapers. The 1988-89 UBC Access Catalogue was redesigned and sent to greater numbers of people and organizations than ever before.

Response to the various advertising activities has been high and favorable. The greatly increased numbers of mail and telephone inquiries about UBC Access programs appear to be developing into increased enrollments for the coming academic year.

UBC ACCESS: GUIDED INDEPENDENT STUDY REGISTRATION 1987-88

A total of 1,240 UBC students was registered in UBC Access: Guided Independent Study courses. Based on the Statistics Canada 1987 submission:

Degree Credit Courses	UBC (No. of students)
Faculty of Agricultural Sciences	50
Faculty of Arts	670
Faculty of Education	174
Faculty of Forestry	135
Faculty of Science	25
School of Nursing	186
	1,240
Non-credit Courses	
Forestry	28
	1,268

These students were responsible for a total of 1,125 course registrations, i.e., 170 FTEs. (The number of credit course students, 1,240, this year exceeds the total number of course registrations because at the date of the Statistics Canada submission there were students still completing first and second year Arts courses in which they had registered in the previous academic year. Those first and second year Arts courses were transferred to the B.C. Open University by September 1987.)

In addition there were 198 course registrations from British Columbia Open University students during the 1987-88 academic year.

Degree Credit Courses	BCOU (No. of registrations)
Faculty of Agricultural Sciences	1
Faculty of Arts	121
Faculty of Education	53
Faculty of Forestry	13
Faculty of Science	0
School of Nursing	10
	198

The BCOU registrations are equivalent to 30 FTEs, thus producing an overall total of 200 FTEs for this program.

NON-CREDIT PROGRAMS

CENTRE FOR CONTINUING EDUCATION

The Centre for Continuing Education is responsible for the general non-credit continuing education program on behalf of the University; it works closely with the FACULTY OF ARTS in carrying out this mandate. In addition, several professional faculties and schools exercise their option of organizing their continuing education programs in cooperation with and through the Centre. They are:

FACULTY OF APPLIED SCIENCE

SCHOOL OF ARCHITECTURE

SCHOOL OF COMMUNITY AND REGIONAL PLANNING

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

The MUSEUM OF ANTHROPOLOGY, in addition to other activities outlined elsewhere in this report, also offers many continuing education courses for the general public in cooperation with and through the Centre.

Several other academic units of the University cooperated with the Centre in offering part of their continuing education program:

FACULTY OF EDUCATION

FACULTY OF FORESTRY

FACULTY OF SCIENCE

SCHOOL OF FAMILY AND NUTRITIONAL SCIENCES

In addition to the UBC academic units that cooperate with the Centre in providing continuing education programs, the Continuing Legal Education Society of B.C. is an Associate Division of the Centre for Continuing Education and its Executive Director holds an appointment as an honorary Program Director.

Continuing education activities in general non-credit education and in professional continuing education in the above areas are included in this section of the report.

GOALS FOR 1987-88

1. To continue to strengthen links with academic departments, especially in the Faculty of Arts, through increased interaction.

   This goal has been met through further development of the liaison established between the departments in the Faculty of Arts and the Program Directors in the Centre, and the inter-departmental and cross-disciplinary Advisory Committees (on Health Promotion and Personal Development; and for the Women's Resources Centre).

2. To continue to work through all available means to ensure the financial viability of the Centre and its programs and services.

   This goal has been met as for the first time in three years the Centre ended the 1987-88 fiscal year without a deficit and without incurring further debt burden.

3. To work towards shift in programming in the direction of more in-depth study, more coherent (rather than ad hoc, freestanding) courses, and non-degree certificate programs.

   This is a longer range development goal. Some move has been made towards the goal in offering sequential programs. A "Peer Counselling Certificate Program" has been developed by the Women's Resources Centre to commence in September 1988. We have also started to work on a "Certificate Program on Communications in the Workforce".

4. To apply University resources toward a better awareness of social and economic challenges facing B.C. through the implementation of a program dealing with public issues, aimed at community, business and union leaders and opinion makers.

   We have made a good start towards accomplishment of this goal through the public forum on the Meech Lake Accord and the inauguration of the invitational "Deans' Roundtable" seminars outlined under the heading of Public Affairs further on in the report.

5. To continue to increase the quality of programs and services offered by the Centre through increased needs assessment and program development, evaluation of Centre programs and services, and professional development of its staff.

   This too is a long range development goal, and we have made some progress in this area.

OVERVIEW OF 1987-88

The general economic upturn in the province had a positive impact on enrollment in Centre programs. The overall registration in 1987-88 totalled 34,982, an increase of 5,425 registrations (18.35%) over 1986-87. General education program registrations increased by 2,088 (11.20%) over last year, while enrollment in professional and technical education programs increased by 3,337 (30.56%).

The marked increase in enrollment in 1987-88 resulted in a better financial situation for the Centre and enabled us to end the fiscal year with a marginal surplus, after deficits in the previous two years which, carried as debt, added to the financial burden on the Centre which is required to become fully self-sustaining within three years.

The Centre maintained the high academic quality of its programs while it responded to the need for flexibility and increased demand for cost recovery.

The following were among the highlights of our program activities in 1987-88:

The French and Foreign Languages program area benefited from a $75,000 grant from the Ministry of Education to UBC for the teaching of Chinese and Japanese. We have inaugurated a "Chinese and Japanese Summer Language Institute" for public school teachers.

The English Language Institute has reached its capacity in terms of physical accommodation with 1,800 students and, unless this problem can be resolved, will have to be turning away prospective students for its renowned ESL program.

We have also introduced this year a writers' summer institute at UBC under the title "Writing for Your Life"; ten programs and events were part of this successful week-long opportunity for writers.

The Third Age Community of Learners and Scholars at UBC, established in the fall of 1987 to provide opportunity to retired and semi-retired people for more sustained non-credit study was met with considerable interest and was a success with 40 members in its first year.

Under co-sponsorship with the Dean of Arts and Dean of Science we have established the "Deans' Roundtable", invitational dinner seminars for policy makers, academics and community leaders to discuss economic and social issues.

Our programs relating to film production are growing with the increasing activity in film production in B.C. Also our film appreciation programs are well received and the Ridge Theatre series, exploring ideas and cultural themes through film, attract good audiences.

We have also introduced, as a pilot project, Academic Seminars for College Faculty, providing opportunity for college faculty for professional development in their discipline and for interaction with university faculty. A successful seminar was organized in May for geographers, and plans are under way for programs in the fields of English and Geography next year.

Another pilot project, the Faculty Development Project, supported by the Faculty Association and the President's Office and administered by the Centre, got off to a good start with 20 well attended seminars, four issues of a newsletter, and the establishment of a small library of materials.

Our Women's Resources Centre developed a "Peer Counselling Certificate Program" which will be offered for the first time in the fall of 1988. The program has been well received and already is over subscribed.

After ten years, the term of the Director of the Centre, Jindra Kulich, came to an end on June 30; he is continuing as a Program Director in the Centre, with responsibility for Special Projects. Anne Ironside, a Program Director in the Centre, has been appointed Acting Director of the Centre effective July 1, 1988.

The Centre continues to receive considerable support and cooperation from individual faculty members and from academic units. The close working relationship between the Centre and the academic departments, worked out during the last three years, is assisting the Centre in carrying out its important mission of serving the University community and the larger community of which the University is a part.

GENERAL EDUCATION PROGRAMS

Creative Arts

We continued to present art, theatre and music programs in both studio and appreciation formats, with the support of the Departments of Fine Arts and Theatre and the School of Music. A major interest has always been the building of cultural bridges and this is reflected in a wide range of artistic contributions from around the world. Foundation courses in such disciplines as acting, calligraphy, dance, drawing, fibre arts, painting, photography and sculpture maintained their appeal. Architectural rendering, portraint painting, Japanese woodblock printmaking and woodcarving were well attended. The ground work was laid for more sequential programming, particularly in watercolor techniques.

Courses in the continuing series on Central and South American Art included "Ancient Art in the Americas" and "Maya Writing". "Git'san Button Blanket Workshops" produced more original works of art and added to intercultural understanding. "Mask Safari I and II" were interesting demonstrations and workshops based on the carving of the Akamba people of Kenya. "English Garden" was a fine addition to the programs already offered on "The Classical Chinese Garden" and "The Traditional Japanese Garden", which included tours of Dr. Sun Yat-Sen Classical Chinese Garden and Nitobe Memorial Garden. "Sculpture: The New Bronze Age" was an innovative program which included a lecture, a tour of the Jack Harman Foundry and of Teleglobe Canada, site of Harman's casting of Bill Reid's "Mythic Messengers". And British Columbians began to find their way to the residential program, "Concept and Creativity", in gloriously scenic Atlin.

Theatre courses once again proved outstanding. "Page and Stage", the prologue lecture series for the "Shakespearean Festival Study Tour", has many faithful followers each summer. "Backstage at the Frederic Wood Theatre", with the directors of the Theatre's season as speakers, adds a wonderful dimension to playgoing. "Ibsen and Strindberg: A Rediscovery" was a weekend program of much interest.

Michael Strutt's guitar lecture/recitals continued with an evening of "Segovia" and one on "The Romantic Guitar". Govind Dido gave two workshops, "Drumming: Rhythms of Africa, Haiti, Cuba and Brazil", supplying drums and other percussion instruments for the entire class. Music appreciation series included "Mozart, Haydn and the Classical Period", "From Bach to Bali and Back" and "Classical Music Treasures", all well received. "Sounds of Japan", a recital by Wendy Stuart and Alan Thrasher in Nitobe Memorial Garden on a summer Sunday afternoon, continued a long-standing tradition. The "UBC/Community Concert Band", under the direction of Martin Berinbaum, gave Fall and Spring concerts which were welcome additions to The University of British Columbia's cultural presentations.

Daytime Programs

During 1987-88, we continued to offer a broad spectrum of programs, in several categories of activity: (1) daytime programs, downtown; (2) evening program on the campus; (3) studio and skills-related programs, both daytime and evening; and (4) summer science programs for 10 to 12 year old children.

Our downtown, daytime programs concentrated on the arts and humanities, especially history, literature, art, music, and some science. In addition to our accustomed survey courses, we have introduced short, concentrated lecture/discussion series featuring one important work of literature or ideas, i.e., Plato's *Republic*. We will be doing more of these in the future. Another successful programming format has proven to be "A Morning With...", where we focus on an important local member of the arts community, i.e., Toni Onley. Our history offerings concentrated on the 19th century, with programs about the Romantic Revolution, the composer Verdi, thinkers Darwin and Marx, and the author Anthony Trollope. There were two free noon hour lecture series: "The 1920s: A Decade Through Its Literature"; and "Ah, Sweet Mystery of Life", a life sciences series subtitled "Mysterious Signals in Nature". Attendance at these two series ranged from 175 to 350 per lecture, the larger audiences being for the literature lectures (as always, our most popular subject) and the smaller numbers for the science offerings (traditionally the hardest audiences to attract). Most, if not all, of our daytime lecture series involve UBC faculty, augmented where necessary by non-university lecturers recommended by the academic departments.

Evening programs on the campus are usually repeats of popular daytime programs, giving people who work during the day an opportunity to attend. Our instructors note that evening audiences are sometimes less responsive than their daytime counterparts, perhaps because they are tired or have been conditioned by television to listen unresponsively in the evening. With this in mind, it is advisable to adjust the program format to encourage more active participation.

Our studio and skills-related programs include art programs during the day (a time slot that does not conflict with the Centre's Creative Arts programming), graphic design and interior design on the weekends, and several evening programs about food and textiles in cooperation with the School of Family and Nutritional Sciences. All the courses in this category fill to capacity almost all of the time.

Daytime Programs also offers summer science courses for children (see Sciences).

Education for Retired People

The fifteenth annual Summer Program for Retired People, held in May and June on campus, offered four weeks of lectures, discussions, tours and special events. Sixteen course choices, up from twelve last year, drew 204 individuals for weekly registrations of 90, 72, 95, and 96. Many returned for two and three weeks as a new quartet of courses began each Monday. Six people present had attended the program

now for fifteen years. The average age of the registrants was 72 years, and everyone declared an intention to return next year. Four donors contributed $800 to the Summer Program Endowment Fund. Literature is perennially a favourite subject, so each week included a course in Shakespeare, Russian authors, French authors, and a study of Katherine Mansfield. Also popular are courses in cultural history, anthropology, art, archaeology, music and geography; however, the surprise this year was the overwhelming response by the seniors for the hands-on computer course. Many were turned away for lack of lab space, but the phenomenon has been noted and plans are under way to apply for funding to underwrite research, a seniors' computer centre program, and national conference. The Challenge '88 student financial assistance program allowed the employment of two graduate students in Adult Education as on-site co-ordinators.

A new venture for retired people was started in 1987-88. After several difficult years of promotion by Program Director Gail Riddell for a Seniors' Centre on campus, a major decision was made early in 1987 to shift emphasis from securing a place to trying a new program. The Plato Society of UCLA had been identified as a model meeting the Centre's criteria; and so, with some modifications to suit local circumstances, the Third Age Community of Learners and Scholars at UBC was developed and offered to the public in the summer of 1987. Forty charter members formed three study-discussion groups: one group on Victorian literature and society, and two groups investigating Canadian issues. Although twelve faculty members have given curriculum advice or visited the study groups as guests, the responsibility for the program has been successfully borne by the individual members in their research, reports, and group discussion. Three special dinner occasions were held in the Faculty Club and Cecil Green Park House with the Community meeting members of the university administration and hearing faculty members lecture on appropriate themes; specifically, Professors Paul Tennant, Diana Brydon, and R. Cole Harris. The Community successfully applied to New Horizons for a grant of $8,500 for audio-visual equipment and promotional expenses. The UBC Alumni Association has been generous with its assistance in mailing lists and providing accommodation to the Community on two mornings per week in Cecil Green Park House. Because of other C.G.P.H. commitments, the third term of the year met in International House. A member of the Community made a donation of a Roland Gissing oil painting appraised at $5,500. The reputation of this unique university program for retired people spread quickly and inquiries were received from other universities in Canada, including the University of Alberta, Mount St. Vincent's University, and the University of Toronto. In June, the Program Director responsible reported on the first year of operation to a session of the Canadian Association of University Continuing Education in Toronto.

Educational Travel

The Educational Travel programs in this period included "A Botanical/Horticultural Tour of New Zealand and Fiji", "China: Emperors, Peasants and Buddhas", "Fringes of Japan" and an "Art Tour of New York and Washington". All four programs went ahead--with fairly low enrollment in three of them but a very healthy enrollment in the trip to China with Dr. Dan Overmyer. The fact that almost no tours to Japan have been successfully achieved in the past few years by other tour operators, including other universities and colleges, made our trip with Dr. John Howes that much more satisfying. The homestay portion of that tour was particularly interesting and there was a very strong feeling of true cultural exchange. David Tarrant and Dr. Gerald Straley, tour leaders of the botanical/horticultural program, continue to attract an audience for this type of programming. The only program that was not led by UBC faculty was the "Art Tour of New York and Washington" with Mona Goldman. Ms. Goldman has led many other trips for us in the past and teaches art and art history for the Creative Arts department at the Centre.

The 1989 travel calendar is the most ambitious for many years: Costa Rica, Borneo, New York, Ukraine, Kenya, China, SW United States and Thailand. We continue to face stiff competition from other institutions as well as commercial group tour operators but the high educational component that our tour participants have come to expect from the University continues to give us an edge. Our excellent tour leaders, reliable agents and hard work at the Centre are pulling us through a difficult period of competition plus restraint. Our significant repeat business is most gratifying.

An interesting and potentially productive development is the Pacfic Rim Teacher Study Program, a Ministry of Education plan to assist British Columbia teachers in travelling to Pacific Rim countries. The Ministry is prepared to pay up to 50% of the costs on 'approved programs'. The Language Institute and the Educational Travel Department are collaborating on a trip to China in July 1989 and we are confident that our program will have the approval of the Ministry. There are two more years in the program and should our 1989 venture prove successful, we would certainly consider expanding the number of trips to China in 1990.

A new marketing strategy has been put together and Friday, November 18 marks the first SPOTLIGHT ON TRAVEL, an evening devoted to travel and travellers. Participants from 1986-88 programs and tour leaders will receive personal invitations. Tour leaders for the 1989 programs will be introduced, mini slide shows will be presented and flyers for all the programs will be available. We hope it will function as a grand reunion and a promotional vehicle for the program area.

Field Studies

Fifteen field Study programs were offered during this period. They ranged in duration from a one evening owling trip to a ten day cruise into the Queen Charlotte Islands and in cost from $15 to $2,275. There were some repeat trips this year: "Fossils, Fire and Ice", "Alberta Badlands", "Killer Whales of the Georgia Strait" and "Gray Whales and Seabirds" to name a few. Two new field studies were extremely successful: "Hurricane Ridge" with Dr. Gerald Straley and "Coastal Villages" with David Hill-Turner and Richard Mackie. The coastal villages cruise was particularly satisfying because we had long hoped for interest in this area and found a receptive audience out there--albeit mostly totally American. The Indian bands at Bella Bella and Bella Coola were very cooperative and hospitable. Our annual cruise into the Queen Charlotte Islands will, in all likelihood, not be offered for a while. Tour leaders feel they are reaching 'burnout', having done the trip for so many years. All of us feel that we pioneered the cruises into the Charlottes and perhaps now is the time--despite almost maximum enrollment again this year--to move on.

Plans for next year include repeats of our most successful trips plus several new ones which will include a botanical trip to Denman and Hornby Islands and an anthropological/archaeological program out of Prince Rupert. For financial reasons Field Studies programs that generate little revenue ($500 or less) will be dropped and only those that promise better financial return pursued (despite a personal conviction of the Program Director in charge that the department should also serve those who, for economic reasons, cannot participate in the larger, more expensive programs).

Humanities

This last year was an exciting one and involved the successful continuation of repeat courses (approximately 50%), some well-attended special events, and a couple of programming innovations which promise increasingly active program development. Themes developed in the humanities continue to fall under four main headings which reflect both historical and current program area goals i.e., existential themes, mythology, cultural criticism and literature. Of note this last year in the first category was a highly successful return visit by family dynamics specialist, Virginia Satir. More than 600 people attended her lecture on "Making Peace Within". Jungian therapist and author Murray Stein from Chicago spoke to approximately 100 people on "Psychological Relationship" and continued the topic the following day with a group of psychologists. This program was co-sponsored with the UBC Department of Counselling Psychology. In the area of cultural criticism, Mark Litwak, California lawyer and writer lectured on the inner workings of the Hollywood film industry called "Hollywood Explained". This topic also represents the area of popular culture as a significant facet of cultural criticism. Although literature is primarily programmed through the Daytime Programs area, Humanities offered four courses of note: "The Book Through History", "India Through Short Stories", a lecture on Margaret Atwood's *The Handmaid's Tale* by Toronto critic Alberto Manuel, and a highly successful day long discussion of recent novels with three

CBC literary critics including Ira Nadel from the UBC Department of English. Themes closely related to literature and cultural criticism were also explored in programs under the headings of Creative Writing and Film.

The Creative Writing area is healthy and growing. Supportive communication and collaboration with the UBC Department of Creative Writing has played a significant role in recent program development and will hopefully continue to grow in the year to come. In addition to the regular non-credit offerings of 8-10 courses per term we undertook in June the production of a special week of courses and presentations for writers called "Writing For Your Life". Ten special events were organized and covered topics as diverse as comedy, screenwriting, and journalism. Attendance in most cases was excellent; a total of 454 registrations were received. This experience will form the basis for analysis and planning of another summer writers institute at UBC next year.

Gradually over the last few years programs related to film have expanded significantly to justify a new sub-area of programming. Courses are divided into production related courses and film appreciation. This Fall eight courses will be offered. Recent meetings have opened discussion about greater collaboration with the film division of the UBC Theatre Department. These will continue this Fall. In addition to being an energetic program sub-area in its own right, the last year has also seen film explored as a vehicle for education. This Fall we will enter into our third year of collaboration with the Ridge Theatre to present short Sunday matinee film series which explore ideas and cultural themes through film. These experiences have been very satisfying and resulted in good attendance (average 400 per showing). We are also in discussion with the Pacific Cinemateque exploring joint programming that brings together academic lectures and discussion with special film presentations. These collaborations result in expanded and enhanced awareness of UBC in the community as well as having positive impact on registrations.

The Personal Development sub-area remains stable with a core of quality programs which continue to be very successful, e.g., "The Lessons of Moshe Feldenkrais", "Adventures in Consciousness", "The Ira Progoff Intensive Journal", and "Freeing the Natural Voice" among others. New programs in this area where cross-disciplinary consultation and quality control are so essential are discussed by the Health Promotion and Personal Development Advisory Committee. New programs this last year included: "Creative Opportunities in Everyday Life" and "Lifewriting", and a very well attended evening with author Norman Cousins on "Mind/Body Relationship".

Languages--English

The English Language Institute functioned above capacity again this year with approximately 1,800 students involved in the Institute's wide variety of programs. The Communication and Academic Preparation programs reached the maximum number of students that could be accommodated well in advance of program starting dates. The problem is lack of classroom space on the campus. Even by renting space in St. Mark's College, the Student Union Building, Vancouver School of Theology and other "non-university" buildings, we were not able to meet our space requirements. In the Special Programs Division of the Insitute, 21 programs were conducted during the year. Eleven of these were programs designed for specific Japanese universities and colleges. Many of these institutions have sent students to us in past years and virtually all indicated an interest in coming in future years. We have been approached by a number of other universities and colleges requesting special English language programs for next year. Our ability to accept these additional groups will depend on the availability of classroom space as well as homestay and campus accommodation for the students. Approximately 125 students attended the Institute's evening classes which were offered during the Fall and Winter.

The Pacific Region Orientation Centre (PAROC), one of five CIDA funded orientation centres across Canada, continued to provide a number of very successful English language and cultural orientation programs for Chinese trainees and scholars coming to Canada to study.

In October the Program Director went on a marketing trip to six Pacific Rim countries. This represented a first but major step in addressing what is a very real concern in the Institute, the very high percentage of Japanese students enrolled in Institute programs, and the need to diversify our student body.

Languages--French, Chinese, Japanese and Spanish

1987-88 was a year of moderate growth. The Fall and the Winter Sessions were well attended with over 450 registrants in each session. The Spring Session was underenrolled as usual, with only 250 registrants, and half of the courses had to be cancelled. The Summer Session was very well attended with approximately 600 registrants. Significant fee increases in some Spring and Summer programs resulted in either their cancellation or lower enrollments. The May and the August non-bursary programs to Montreal and the July program to Martinique had to be cancelled with almost no registrants. As we cannot lower the fee, these programs will not be offered in 1989. There were only 60 participants in the "Institut de Français de UBC à Montréal, 1988", compared to 113 last year. The program, with a new director, was a great success but the significant drop in enrollment demonstrates how much registrants are sensible to fee increases.

A new program at Whistler for teachers of French was well attended. The "Instit de Français UBC à Whistler, 1988", attracted 51 B.C. teachers and administrators and 4 teachers from the U.S.A. Whistler proved to be an excellent location for a program of that size, in which participants are obliged to speak French at all times. The "Institut de Français à Whistler" as well as the "Institut de Français à Montréal" are funded in part by a grant from the Secretary of State administered by the B.C. Ministry of Education.

The "Summer Language Bursary Program in French" was close to being cancelled this year due to a major increase in the cost of housing in student residences at UBC. Most socio-cultural activities involving costs were cancelled and the students had to live with a mere $7.00 allowance per day for their lunch and dinner.

A $75,000 grant from the Ministry of Education for the teaching of Japanese and Chinese at UBC resulted in increased enrollment for these two languages in both credit and non-credit programs. The "Chinese and Japanese Summer Language Institute" at UBC is a new initiative that has great potential for the future of these two languages in B.C. schools. Over 40 B.C. teachers received bursaries to attend either credit or non-credit programs. The excellent cooperation that took place between the Centre for Continuing Education, the Asian Studies Department, Extra-Sessional Studies and the International Liaison Office was essential in setting up this program with very little notice. An expanded program is expected for next year.

Both the March and the July Programs in Cuernavaca were well attended by participants who enjoyed learning Spanish in Mexico. This program, now in its fourth year, is always very successful and may serve as a model for similar programs in other countries.

The purchase of a new French videocourse, "French in Action", delayed by over one year because of copyright problems encountered by the Canadian distributor, is going to allow major changes in our programming starting in January 1989. The new programming will allow participants in our courses to progress from one level to the next in a more predictable manner and will enable us to use a modular approach. Similar changes in programming in all the languages we teach will require a substantial effort in curriculum development.

Lifestyles

The Lifestyles program continues to attract a large number of people to programs related to personal development. A notable success has been a new program "Meeting Good Company: An Evening that Could Make a Difference" developed by three faculty from UBC Counselling Psychology Department.

Public Affairs

In cooperation with the President's Office, a very successful public forum was held on "The B.C. Debate on the Meech Lake Accord". It brought together academics and public policy makers to debate the strengths and weakness of the Accord with members of the general public.

The "Deans' Roundtable" co-sponsored by the Dean of Arts and Dean of Science, was launched with two very successful dinner seminars. Dr. Art May, President, Natural Sciences and Engineering Research Council inaugurated the series with a presentation on the responsibilities and benefits on both sides of the partnership between business and industry and the universities. The Honourable Minister Stan Hagen spoke at the second seminar on the links between higher education and the enhancement of the economy. The purpose of these invitational dinner seminars is to bring together a small group of policy makers, academics and community leaders to discuss topics related to the economic and social well-being of our province and country.

Retirement Education

Again, this year many two-day programs were held in several parts of the province, and for a variety of corporate sponsors. Our retirement preparation seminars were held in Prince George, Creston, Sechelt, Kitimat, Terrace and the Lower Mainland. Over 1,200 people attended the sessions, from a wide variety of educational, employment and economic backgrounds. It is not unusual, in Northern communities, to have in the same seminar room planer mill operators who speak almost no English and corporate vice-presidents. For most, it is the only time in their lives that they will ever attend a universtiy-level course. Although the potential market in terms of large companies is very small, we continue to offer seminars to small companies willing to group themselves with other small firms. Our short-term goal for the coming year is to develop and sell a one or two-day mid-life planning seminar for our current clients.

Sciences

Sciences programming during the Fall and Winter remained relatively modest in scope including successful repeats of human anatomy and animal behavior programs and new content related to marine research and the future of aquaculture, and an exposition on the basic scientific elements of the Gaia Hypothesis. Future science programming will focus more energetically on environmental and health sciences themes. Potential programming related to science policy is also under investigation. Our Summer science programs for children continue to be very popular and well-subscribed. Such programs for children are not offered anywhere else in the city (SFU's summer activities for children differ from ours in both content and format), and in fact the university setting offers the only suitable facilities for doing science programs well. We will continue to develop this area while maintaining high standards. The one area of programming in the sciences which is doing well are the programs offered under Field Studies, featured earlier in the report.

Social Sciences

Some successful new programs, highlighting our growing connection with Pacific Rim countries, included opportunities for investigating culture and religion, politics and history: "Images of India", Thailand, and the South Pacific. The twenty-one year association between the Centre and the Okanagan Conference on International Affairs, Vernon, was continued with assistance in recruiting faculty to address the topic of India Today. However, the most popular course of the year was a fourteen contact hour program on personal money management, offered three times with a total enrollment of 75.

While the International Scene sessions, Fall and Winter, continued at Robson square with good attendance, the Winter series in North Vancouver was cancelled for lack of sufficient registration. This

year's "Gerald Savory Memorial Lecture" was held downtown with Prof. Michael M'Gonigle of Simon Freaser University speaking on the Brundtland Report of the U.N. Commission on World Environment.

Ten years of cooperation with the Family History Association of Canada through which the Centre offered a wide variety of courses in genealogy, came to an end in December. Provision was made for students in the home study program who had not yet completed the course to be able to do so.

An expansion of the popular Vancouver harbour and terminal field trip led to a ten hour introduction to shipbuilding in British Columbia held at the B.C. Research Council tank testing facility and the Versatile Shipyard. The assistance of the Vancouver Port Authority and the Maritime Museum is appreciated. After many years of semi-annual trips to Gabriola Island, guiding hundreds of registrants to an on-site display of some of the province's best petroglyphs, Beth Hill is retiring. Her service to the Centre is gratefully acknowledged. All in all, Social Sciences offered in 1987-88 57 programs involving 72 faculty and non-faculty presenters.

PROFESSIONAL CONTINUING EDUCATION

Community and Regional Planning

Professional development programs for planners and municipal officials continued to do well this year, with relatively few cancellations. Workshops which attracted the most participants were those on current and high visibility topics such as retirement housing and secondary (illegal) suites. Courses on legal and legislative topics also continued to be popular. The Winter term reintroduced a correspondence course on "Planning Theory". However, participants in this course have not taken the opportunity to interact with the instructors, and few have completed the assignments: a rethinking of the form and content of this type of course is needed. In the Spring term a successful course on "Computer Mapping and Analysis" was held at B.C.I.T., due to lack of facilities at UBC. A half-day course on "The Small Town Elderly" was run immediately prior to the Planning Institute of B.C. Spring Conference at Cowichan Bay, and was well received. Throughout the year a series of evening sessions sponsored jointly with the Planning Institute attracted groups of between twenty and forty-five people on a diverse range of topics of current interest to planners.

The Band Planning courses for band managers and planners continue to be a mainstay of the program area with three of four courses offered this year being run with registrations close to capacity. These courses continue to attract Native people from across Canada, including groups from Saskatchewan, Ontario, Quebec and New Brunswick. We are currently in the course development stage of a new course, "Planning for Self-Government", which is being developed with financial assistance from the Department of Indian Affairs.

With the appointment of a new Director of the School of Community and Regional Planning, Dr. Alan Artibise, in January 1988, our professional development activities are likely to expand, with more emphasis on national activities and conferences. New sources of financial support may enable the program area to expand its course offerings. The program area has now completed its third year on a completely self-sustaining basis.

Computer Science

This past year, Computer Science Programs have continued to serve a broad mix of clientele representing the general public, data processing professionals, and others such as the medical community. These 12 months represent one of the most productive periods in our program history, for both professional development as well as department growth. The hands-on, practical training in the microcomputer lab continues to play an essential role in the success of our programs.

The professional improvement leave of the Program Director in charge has been a critical factor in the successful restructuring and future planning of the program area. Highlights include research into computer education needs throughout the local corporate environment as well as a survey of related activities in university continuing education centres across Canada.

The "Computers in Medical Practice: Seminars and Exhibits" in cooperation with the B.C. Medical Association represent a 3-fold increase in attendance as the need for computer competency increased sharply in response to recent B.C. Government decisions. The annual series of PC workshops and courses for UBC faculty and staff were extremely well attended this year. Experimentation with corporate liaisons and educational strategies has begun with good response and support for the concept. The success of this new important venture will depend to a large extent on the degree of internal cooperation at UBC. The need for a new microcomputer lab on campus is critical. Appropriate space may be a serious issue.

Continuing Legal Education

The program for the legal profession, offered by the Continuing Legal Education Society of B.C. which is an Associate Program Division of the Centre for Continuing Education, registered in 1987-88 11,437 participants, a significant growth of 25.45% (2,911 participants) over last year. This growth occurred in programs offered throughout the Greater Vancouver area, while enrollment in courses offered on the UBC campus remained approximately the same.

Engineering/Architecture

Engineering and Architecture activity levels remain depressed compared to the pre-1982 period of mega projects and employment. Although there are signs of slow recovery, funding for continuing engineering education continues to be sparse in both the public and private sector. Most non-credit courses scheduled and planned must therefore be such as to meet an obvious or short term need rather than for strategic objectives. The major "Certified Professional" program which has provided the City of Vancouver with professional engineers and registered architects competent to meet the rigorous Use and Occupancy demands of the National Building Code of Canada and Vancouver associated Building By-Law is now being adapted for province-wide delivery. Course planning and development is proceeding for a similar venture in the field of Fire Protection Engineering.

The problem of economic feasibility of course production and delivery of the highly specialized professional development needs of engineers is being met, in some instances, by mixed classes in which approximately one-third of the registrants are graduate degree seekers, one-third diploma candidates, and the remainder auditors or non-credit attendees--all paying the same fees. Expansion of television delivery capability for graduate-level credit courses is continuing with the modest funding now available.

Faculty Development Project

In cooperation with the Faculty Association and the President's Office, a pilot program was established to look at improving classroom and related skills of faculty. The project had a variety of objectives: to make academics aware of readings, courses and conferences relating to improving teaching skills; to provide actual opportunities for hearing about and describing teaching; and to begin to build a community of concerned scholars who are willing to discuss and build on teaching strategies and learner needs. Obviously, such objectives cannot be met within one year. We did, however, manage to publish four newsletters; design, conduct and evaluate twenty seminars; and create a small data base of readings, as well as a small library of materials. A multi-disciplinary advisory committee helped to choose topics, and undertook the job interviewing UBC Deans and Directors to gather data and support. Our objectives for the following year are to continue to offer quality newsletters and seminars, and to help in the design of a one-to-one (peer) evaluation and counselling service for those who wish to improve their classroom management.

Women in Management/Career Development

A number of well-received programs were held during the past year. Our second annual "Woman to Woman" seminar (focusing on current health issues) attracted 375 women. This program is designed and conducted largely by concerned woman physicians. A weekend session featuring dynamic Lynn Tribbling of Toronto, was also a winner in terms of positive evaluations. As well, several of our long-running one-day workshops were either filled or required extra sessions. These included "Powerspeak", "Negotiating Skills" and "Getting Your Point Across in 30 Seconds".

Our major problem of long duration has been to find a "market niche" which includes meeting the needs of women, in particular, who are in beginning stages of management or supervisory positions. Thus we continue our ongoing negotiations with the Faculty of Commerce and Business Administration. We have begun to move ahead in two very important ways which should result in a much more clearly-defined program and market. Our first move is to work with two other Centre program areas marketing to employers and employees and to come up with a common marketing front, as well as improved mailing lists. In addition, two program areas are working together to develop a Centre "Certificate Program on Communications in the Workforce". This will include courses on a wide variety of written and spoken communication systems and techniques.

SERVICE PROGRAMS

Reading, Writing and Study Skills Centre

The program area continued to serve UBC students and others who want to develop their learning and communication skills. It offered several courses to assist students preparing for the UBC English Composition Test. Other courses were designed to address reading rate and comprehension, grammar and sentence structure, writing paragraphs and essays, writing business letters, writing reports, writing proposals, vocabulary, spelling and study skills. The Centre also offered a number of courses directed to members of the community in speaking skills, freelance writing and media interview techniques. It continued to administer three correspondence courses in reading and writing and delivered in-house programs targeted at specific staff needs in reading and writing.

Women's Resources Centre

The WRC has had another successful year, both financially and developmentally. We continue to stand as a model for women's centres around the world, and receive many visitors from other countries, as well as a great deal of favourable press both locally and nationally. Demand for our services continues to be high. Approximately 15,000 clients used our services and attended programs. Our staff of 50 volunteers contributed over 7,500 working hours in counselling, publicity, and facilitating workshops. The Centre is very fortunate to have such involved and dedicated members, many of whom are UBC alumni. Our core programs ("Creative Job Search", "Building Self-Esteem", "Life Planning", and "Assertiveness Training") are very popular and are offered on an ongoing basis. Special programs continue to be developed as needs arise i.e., "Daughters and their Aging Parents", "Stress Management", "Cognitive Restructuring", "Strengthening Stepfamilies", etc. Vocational Testing continues to draw an average of 60 clients per month. The WRC has also provided career planning services and testing for various groups such as the Musqueam Indian Band, Workers' Compensation Board, and the Department of Fisheries etc., as part of our community outreach.

One very important component at the WRC is the student placement program. Graduate students from Social Work, Adult Education, Counselling Psychology and Nursing (both UBC and SFU) have used the WRC for student practicum, and have assisted in research and the development of programs.

An outreach attempt at Britannia Community Centre was unsuccessful, due to limited staff resources. We hope to apply for funding to continue our outreach in the future, as there is a definite need. A "Peer Counselling Certificate Program" has been developed which will start in September 1988. We have received an overwhelming response from the community, and hope to refine this program and continue to offer it in the future.

CENTRE FOR CONTINUING EDUCATION PUBLICATIONS

Marcie Boucouvalas. *Adult Education in Greece*. Vancouver and Toronto: Centre for Continuing Education, The University of British Columbia and the International Council for Adult Education, 1987. 139 pp.

Norah Kembar and Mardee Galt (eds.). *Life Planning for Women: A Course Manual for Leaders*. (Developed by Ruth Sigal and Mavis Fountain; 2nd rev. edn.). 1986. 49 pp.

PUBLICATIONS OF PROGRAM DIRECTORS

Jindra Kulich. "Die Beteiligung der Universitäten Kontinentaleuropas an der Weiterbildung", *Die Österreichische Volkshochschule*, No. 144, (1987), pp. 24-30.

Jindra Kulich. "Perspektiven und Tendenzen der Erwachsenenbildung in Kanada und USA", *Hessische Blätter für Volksbildung*, vol. 37, No. 4, (1987), pp. 330-337.

Jindra Kulich (ed.). *Advocacy for Adult Education in British Columbia*. (PACE Papers #3). Vancouver: Pacific Association for Continuing Education, 1988. 166 pp.

PROFESSIONAL AND COMMUNITY SERVICE

Program Directors in the Centre for Continuing Education provided public service by serving many professional and community groups. The following are examples of this service in 1987-88:

Janet Alexander delivered a paper on Writing Centres: A View from Down Under at the annual Convention of the Conference on College Composition and Communication, held in St. Louis in March 1988.

Beth Bosshard continued to chair the Program Committee for the 1989 Conference of the Canadian Association for Adult Education, to be held in Vancouver. She also acted as a consultant to the Social Planning and Research Council of B.C. on a one-year project to develop a team of conference organizers to work with non-profit groups.

John Edwards was a resource person in a workshop on programs for retired people during the annual conference of the Canadian Association for University Continuing Education in Toronto in June 1988. He also continued to serve on the Board of Directors of the Vancouver Branch of the United Nations Association, and was elected President of The Bereavement Foundation of B.C.

Anne Ironside continued to serve as Past-President of the Canadian Association for Adult Education, and as member of the National Advisory Committee on Education Statistics, Statistics Canada.

Jindra Kulich continued as member of the Executive Committee of the International Congress of University Adult Education, as member of the Editorial Board of the *Canadian Journal of Studies in Adult Education*, and as Book Review Editor for *Learning*.

Duff Macdonell was appointed member of the Requalification Task Force of the Association of Professional Engineers. He also continued to serve on the Certified Professional Program Committee of

the City of Vancouver, on the Vancouver Branch Executive of the Association of Professional Engineers of British Columbia, as well as on the Professional Development Committee of the Association.

Don Mosedale was Chairman, 1988 Conference Board, The Association of B.C. Teachers of English as an Additional Language (TEAL). He was also appointed Chairman of the Sub-committee on Institutional Support, 1989 TEAL Conference.

Gail Riddell served on the CAUT Status of Women Committee and was appointed Vancouver Conference Co-ordinator for the CAUT Status of Women Conference, to be held in Vancouver in October 1988. She was also appointed member of the Program Committee of the B.C. Society for Training and Development. She was a resource person at the meeting of the Personnel Managers of Western Canada and Northern U.S.A. in Victoria in October 1987; at the Time of Your Life Program at the Vancouver Trade and Convention Centre in April 1988; and a co-leader of a Retirement Planning Workshop for Faculty and Staff of the University of Victoria in May 1988.

Ruth Sigal continued on the Board of Jewish Family Services, and as member of the Program Committee of Family Services of Greater Vancouver. She also served as consultant to a number of professionals and agencies, regarding life planning for women.

CENTRE FOR CONTINUING EDUCATION

STATISTICAL SUMMARY OF PARTICIPANTS IN 1987-88

(Program Area and Type)

GENERAL EDUCATION PROGRAMS		
Lecture series	13,022	
Single lectures	5,875	
Short courses	1,258	
Field trips	347	
Educational travel	188	
Correspondence	37	
Total for General Education Programs		20,727
PROFESSIONAL AND TECHNICAL PROGRAMS		
Educational television	116	
Lecture series	1,232	
Single lectures	1,353	
Short courses	11,545	
Correspondence	9	
Total for Professional and Technical Programs		14,255
TOTAL REGISTRATIONS*		34,982

*Does not include 11,464 drop-in and phone-in counselling contacts at the Women's Resources Centre.

CENTRE FOR CONTINUING EDUCATION

STATISTICAL SUMMARY OF PARTICIPANTS IN 1987-88

(Location of Programs)*

GENERAL EDUCATION PROGRAMS		
UBC	16,206	
Greater Vancouver	3,892	
Province-wide	57	
Field Trips	347	
Educational Travel	188	
Correspondence	37	
Total for General Education Programs		20,727
PROFESSIONAL AND TECHNICAL PROGRAMS		
UBC	2,851	
Greater Vancouver	10,277	
Province-wide	1,118	
Correspondence	9	
Total for Professional and Technical Programs		14,255
TOTAL REGISTRATIONS**		34,982

*This summary indicates population served in metropolitan Vancouver (locations: UBC and Greater Vancouver) and further afield (locations: Province-wide and outside B.C.); field trips, educational travel and correspondence programs serve population from several areas.

**Does not include 11,464 drop-in and phone-in counselling contacts at the Women's Resources Centre

CENTRE FOR CONTINUING EDUCATION

PROFESSIONAL STAFF

Director's Office

JINDRA KULICH	Director (to June 30, 1988)
ANNE IRONSIDE	Acting Director (from July 1, 1988)
KENNETH LANGLAND	Assistant Director (on study leave December 1, 1987 to May 31, 1988)
GENIA KAYE	Administrative Assistant to the Director

Directors of Program Areas

JANET ALEXANDER
Reading, Writing and Study Skills Centre/Communications

FRANCIS ANDREW
Language Institue-Institut des Langues: French and Foreign Languages

BETH BOSSHARD
Humanities/Sciences

JOHN EDWARDS
Social Sciences/Programs for Retired People

JULIE GLOVER
Community and Regional Planning

JANE HUTTON
Computer Science

ANNE IRONSIDE
Public Affairs/Lifestyles

JINDRA KULICH
Special Projects (from July I, 1988)

JO LEDINGHAM
Educational Travel/Field Studies

A.L. DUFF MACDONELL
Off Campus and Continuing Engineering Education/CE for Architects

SHEILA MAXWELL
Creative Arts

DONALD S. MOSEDALE
Language Institute-Institut des Langues: English Language Institute

MARCIE POWELL
Daytime/Family Life

GAIL RIDDELL
Career Development-Women in Management
Faculty Development/Retirement Education

RUTH SIGAL
Women's Resources Centre

Associate Program Division

JACK HUBERMAN
Continuing Legal Education

DIVISION OF CONTINUING EDUCATION IN HEALTH SCIENCES

INTRODUCTION

Continuing Education in the Health Sciences is one of the seven divisions responsible to the Co-ordinator of Health Sciences. Located on the first floor of the Mr. and Mrs. P.A. Woodward Instructional Resources Centre, it is made up of the following:

Continuing Education in Audiology and Speech Sciences
Continuing Dental Education
Continuing Medical Education
Continuing Nursing Education
Continuing Education in Human Nutrition and Dietetics
Continuing Education in Pharmaceutical Sciences
Continuing Education in Rehabilitation Medicine
Interprofessional Continuing Education in the Health Sciences

OBJECTIVES

The objectives of the Division of Continuing Education in the Health Sciences are:

1. To assist the Faculties and Schools of the Health Sciences in their programs of continuing education by providing services including needs identification, program development, evaluation and administrative support services.

2. To initiate and support new teaching methods that facilitate and stimulate learning among members of two or more health professions.

3. To offer educational opportunities to assist in the planning and conducting of continuing health education programs.

4. To encourage and assist health professionals in the community to initiate their own continuing education activities and to provide them with faculty support when requested.

5. To offer consultative services regarding continuing education for health pofessionals.

6. To establish liaison with other groups providing continuing education programs in order to facilitate co-operative programming and co-ordination of continuing education activites throughout the province.

7. To initiate and support research activities pertinent to the development of continuing education in the health sciences.

8. To encourage and participate in the development of health education programs for the public.

HIGHLIGHTS AND DEVELOPMENTS OF NOTE DURING 1987-88

A. Composition of Continuing Education in the Health Sciences

1. Rehabilitation Medicine

The Division of Continuing Education in Rehabilitation Medicine, which had been inactive since 1981 because of a lack of financial resources to support a Director, returned to active programming status in 1987-88 with Ms. Jane Hudson acting as Director on an "overload" basis. One program was offered. The return of this important member of the interprofessional team was welcomed.

2. **Interprofessional Continuing Education**

The cornerstone of the philosophy of Continuing Education in the Health Sciences is the belief that health care services will be improved if the various professionals work together as a team. To facilitate interprofessional communication and co-operation, CEHS plans and implements programs designed to bring several professions together in a common learning environment. Programming in this area has become so vigorous over the last few years, that a new Division: Interprofessional Continuing Education in the Health Sciences was formed in 1987-88 with Mr. Robert Gobert being named Director. Mr. Gobert will continue as Executive Director as well.

B. Research and Evaluation

1. **Research - Impact of Continuing Education on Professional Practice**

Since 1974, CEHS has been trying to obtain funding from local, national and international sources to support research to investigate the relationship (if any) between continuing education and professional competence as demonstrated in the practice setting. During 1987-88, two major proposals were prepared and submitted, but were not approved: National Health and Welfare Research and Development fund: $399,677; and B.C. Health Care Research Foundation: $94,194. Please see Objective G (Research Activities) below for particulars.

However, we are delighted to announce that in 1987-88, funding was received from the British Columbia Medical Association to facilitate "impact" research over a four year period. As a consequence, Dr. Jennifer Craig has been engaged on a part-time basis as Assistant Director of Continuing Medical Education: Research and Evaluation.

2. **Program Evaluation**

For several years, the Division of Continuing Dental Education has conducted a program entitled: "Orthodontic Module for Cetified Dental Assistants and Registered Dental Hygienists." Developed at UBC, this intensive 44 hour program has received international attention. During 1987-88, Dr. Jennifer Craig was engaged to determine whether the didactic (cognitive) and clinical performance competencies required for certification by the B.C. College of Dental Surgeons were being met. Preliminary results are favorable.

C. Publications

Dr. David Fielding, Director of Continuing Education Pharmacy, completed two publications in 1987-88, one with Dr. Tom Sork of UBC's Department of Adult Education, and one in which Dr. Fielding was sole author:

1. Sork, T.J., Fielding, D.W. "Identifying Learning Needs" in *Continuing Education in Pharmacy*, edited by J.R. Arndt and S.J. Coons, The American Association of Colleges of Pharmacy, Alexandria, Virginia, 1987, pp. 113-133.

2. Fielding, D.W. "Developing a Life-long Commitment to Learning," in *Pharmacy Management in Canada*, Grosvenor House (in press).

Dr. Fielding's contributions to the literature have helped to enhance UBC's reputation in the field of continuing education both in North America and abroad.

D. Distance Education

Since its inception in 1968, CEHS has been committed to "providing continuing education opportunities for health professionals in or near the communities in which they live" (excerpt from our 1968 annual report). In 1987-88 approximately 43% of registrations (6,567) were in programs delivered off-campus, either by face-to-face instruction (4,340 registrations), or via distance education means (2,837 registrations). Highlights of our distance education activities are outlined below.

1. Regional Coordinator's Networks

CEHS maintained networks of Regional Co-ordinators in three professions: Dentistry, Nutrition and Dietetics, and Pharmacy. During 1987-88, 54 co-ordinators were active in communities throughout the province. They planned 76 programs in local communities for their colleagues in those communities (with the advice and assistance of CEHS). Their programs attracted 3,495 registrations. The co-ordinators also facilitated audio-conferences and other UBC-generated programs in which their communities were involved.

2. Audio-Conferences

CEHS was extensively involved in audio-telephone conferences in 1987-88. A total of 21 sessions were provided for 719 registrants in Medicine, Nutrition and Dietetics, and Pharmacy. A variety of formats was used. In some cases, the program was presented simultaneously in Vancouver and to Interior communities.

The audio-conference registrants received in advance a handout containing copies of all slides and other visuals used. In other cases, Interior registrants viewed videotapes supported by print materials in advance. The audio-conferences were used for questions and discussion. Audio-conferencing is a popular approach to distance education whose use will increase, funds permitting.

3. Independent Study

Independent study programs accounted for a substantial number of registrations in 1987-88 (1,449 registrations in 66 programs). Two formats were used: videotapes in Audiology and Speech Sciences, and Dentistry; and print materials in Pharmacy. Thanks to the negotiating skills of the Director, Mrs. Jane Wong, Continuing Dental Education experienced a major success in renewing an agreement to obtain videotapes from the Midwinter Clinics of the Chicago Dental Society. Pharmacy's print-based programs generated 1,311 registrations compared to 958 in 1986-87, an increase of 37%.

4. Face-To-Face Instruction

The majority of off-campus courses were delivered via face-to-face instruction. It accounted for 112 courses (55% of the 202 courses offered) and 4,345 registrations (66% of 6,567 total). As was mentioned, Regional Co-ordinators planned and developed programs that attracted the majority of these registrations (3,495). Continuing Medical Education, however, continued to offer its "Portable" Courses and Community Hospitals Programs, presented by UBC faculty in local communities.

5. Financial Considerations

Distance education programs pose significant financial challenges. Face-to face instruction can be provided by CEHS only in those communities where registration is sufficient to cover all costs. Distance education delivery systems involve special costs either "up front" (for the development and/or purchase of materials); or "in process" for staff to co-ordinate the development and delivery of audio-conferences or independent study programs. Assistance from B.C. Government Distance Education Programs Funds

has been reduced substantially in recent years, making the future of CEHS involvement in distance education ventures uncertain.

E. Management Systems

To ensure that CEHS administrative systems are as efficient and effective as possible, Woods Gordon Management Consultants were engaged to conduct a review and to make recommendations for improvements. An extensive examination was conducted and a preliminary report received prior to the writing of this report. The Final report is expected by September 30, 1988.

F. Financial Issues

The University has adopted a policy requiring continuing education units to move toward self-sufficiency by paying out of program revenue salaries of Directors and support staff formerly supported by the UBC budget. The reasons for this policy in the present time of budget constraints are clearly understood. However, the important long-term consequences of the policy for CEHS may not be as evident. Two of these are:

1. Without paid "release" time for a Director to develop programs, the smaller units will remain on the periphery, offering very few courses. Three Divisions are in this situation at present: (1) Audiology and Speech, (2) Nutrition and Dietetics, and (3) Rehabilitation Medicine. A fourth Division: Nursing has moved toward the periphery in recent years, offering fewer programs. Revenue generated by programs planned by these Directors on an "addition to full load" basis cannot be expected to cover costs for their release time. The larger Divisions are unable to assist because of commitments they are being asked to assume for their own professional and support staff salaries.

2. CEHS will have to reduce or eliminate its involvement in activities that are not self-supporting. This could include Distance Education programs and programs in subject matter areas which, although important, do not attract large numbers of registrants. An example is "Health Promotion."

In the long term, CEHS is likely to see some professions maintaining vigorous programs, while other groups receive diminishing CE service. There may also be a shift from a balanced program of offerings to a combination of courses capable of generating the required revenue.

The President has announced the formation of a Task Force to look into all matters related to continuing education including its financing. CEHS is looking forward to meeting with the Task Force to discuss these important issues.

PROGRESS TOWARD ACHIEVING OBJECTIVES

1987-88 was a very active and highly successful year in which a total of 318 learning events and activities provided educational opportunities and services to 15,348 participants. This represents an increase of 23 courses (7.8%) and 1,845 registrations (13.7%) over 1986-87. Part of this change is due to a change in reporting procedures to produce uniformity across Divisions and programs. Participation figures are registrations. Courses are learning activities for which a registration was received. A summary table presenting all participation data is located at the end of this report for convenient reference. Progress towards meeting the Division's several objectives is reported in detail in the following sections.

A. To Assist the Faculties and Schools of the Health Sciences In Their Programs of Continuing Education

Continuing Education in Audiology and Speech Sciences

On-Campus Courses
The Division of Continuing Education in Audiology and Speech Sciences offered one on-campus course attended by 96 registrants.

Off-Campus Courses
Independent Study
The videotape lending library was increased by one title making a total of 13. These videotapes were used on a rental basis by 15 registrants during 1987-88. Eleven additional titles are on order.

Total Participation in Continuing Education in Audiology and Speech Sciences
A total of 111 participants registered in the 14 learning opportunities provided.

Continuing Dental Education

On-Campus Courses

1. **Didactic Courses**
   The Division of Continuing Dental Education offered 21 on-campus courses attended by a total of 3,080 dentists, dental hygienists, certified dental assistants and others.

2. **Clinical Participation Courses**
   The Division of Continuing Dental Education offered nine clinical participation courses attended by a total of 152 dentists.

3. **Courses in Expanded Functions for Dental Auxiliaries**
   Continuing Dental Education sponsored two courses related to expanded functions for Dental Auxiliaries, at the request of the College of Dental Surgeons of British Columbia.

   a. "Local Anaesthesia for Dental Hygienists"
      Dental hygienists who wish to obtain a permanent licence to practice in British Columbia must successfully complete the Local Anaesthesia program. It is also open to dental hygienists currently licensed in British Columbia. There were 35 registrants in the three day course which was held in October/November 1987.

   b. "Orthodontic Module"
      A concentrated forty-four hour program to prepare Certified Dental Assistants and Registered Dental Hygienists to work as Certified Orthodontic Assistants was attended by 80 registrants in July.

4. **Regional Co-ordinators' Training Session**
   An annual training session for regional co-ordinators was attended by nine dentists from non-metropolitan communities in June. The Regional Co-ordinators Network now consists of nine dentists and is funded by a grant from the College of Dental Surgeons of British Columbia.

5. **On-Campus Total**: The Division of Continuing Dental Education offered a total of 33 on-campus programs attended by 3,356 dental professionals during 1987-88.

Off-Campus Courses

1. **Didactic Courses**
   One off-campus course was attended by 235 registrants.

2. **Regional Co-ordinators' Courses**
   Dentistry Regional Co-ordinators planned a total of 51 courses attended by approximately 2,350 participants.

3. **Independent Study-Videotapes**
   Continuing Dental Education, in co-operation with the Chicago Dental Society and The Great Plains National Library - Nebraska, offers Continuing Education by Video Cassette. A wide range of clinical tapes are offered, complete with a study guide and a post-test for continuing education credits. In July 1988, eleven new topics were added to the video cassette library, making a total of 43 topics available. A total of 123 participants participated in this activity during 1987-88.

4. **Off-Campus Total**: A total of 95 off-campus learning activities were provided for 2,708 registrants.

Special Projects

A program evaluation of the Orthodontic Module for Certified Dental Assistants and Registered Dental Hygienists was conducted to determine if the clinical and didactic competencies were being met. The preliminary report rated the program as excellent. Meetings are scheduled to discuss the recommendations with the instructors. The final program evaluation report will be submitted to the Auxiliary Education Committee of the College of Dental Surgeons of British Columbia and will be available to interested faculty.

Total Participation in Continuing Dental Education

A grand total of 6,064 participants took advantage of the 128 learning opportunities provided during 1987-88.

Continuing Medical Education

On-Campus Courses

1. **Short Courses, Conferences and Workshops**
   A total of 23 courses were offered to 1,698 registrants.

2. **Lecture Series**
   The Wednesday Evening Lecture Series begun in 1979 was continued in 1987-88 with a total of 604 registrants attending the 20 lectures (reported in the summary table as 20 sessions).

3. **Clinical Traineeships**
   Fourteen Clinical Traineeships ranging in length from one week to three months were offered on 9 topics in 1987-88.

4. **On-Campus Total**: A total of 57 on-campus learning activities were provided for a total of 2,316 registrants.

Off-Campus Courses

1. **Whistler**
   Four courses were held in Whistler with a total attendance of 371 registrants.

2. **Community Hospital Programs**
A total of 20 courses were offered in 8 communities with a total attendance of 243. Topics for these courses are based on specific requests from communities which the community representatives discuss with faculty members.

3. **Portable Courses**
Twelve courses were presented in 5 communities on 7 topics selected by community representatives out of a list of 18 possible topics for which pre-planned outlines are available. Total attendance was 231.

4. **Audio Teleconferences**
The "UBC Tele-Rounds" offering instruction via videotapes, printed materials and telephone conferences were continued in 1987-88. A total of 10 sessions were attended by 223 registrants.

5. **Off-Campus Total**: A total of 46 activities served 1,068 registrants.

Total Participation in Continuing Medical Education
A grand total of 3,384 physicians participated in 103 learning activities offered in 1987-88.

Continuing Nursing Education

On-Campus Courses

1. **Short Courses**
Two on-campus courses were offered: "Tuberculosis Update" for 35 participants, and "Gerontological Nursing" in which 150 nurses registered. Two courses were cancelled due to insufficient registration: "Come Alive With Computers", and "Reality Therapy".

2. **Critical Care Nursing**
A policy decision by the B.C. Ministry of Advanced Education and Job Training directing all Post-Basic Nursing Programs to the British Columbia Institute of Technology closed UBC's Critical Care Nursing program December 31, 1987. To that date, 20 nurses enrolled in a full-time Level I program and 12 in a part-time program.

3. **On-Campus Total**: Four learning activities were provided for 217 registrants.

Off-Cammpus Courses

1. **Short Courses**
The popular "NCAST" (Nursing Child Assessment Satellite Training) program was offered twice for 49 participants.

2. **Critical Care Nursing**
Ten nurses enrolled in a hospital-implemented program in Comox.

3. **Off-Campus Total**: 59 registrants participated in the 3 courses offered.

Total Participation in Continuing Nursing Education
A total of 276 registrants participated in the 7 learning activities provided.

Continuing Education in Nutrition and Dietetics

On-Campus Courses

1. **Short Courses**
   A course entitled "Micro-Computers in Nutritional Analysis" was offered for 40 participants.

2. **Lecture Series**
   Two very successful lecture series were offered. "Current Topics in Nutrition and Dietetics", a four-evening series held in October attracted 236 registrants. A second four-evening series "Updates for Dietitians and Nutritionists" held in March received 222 registrations.

3. **On-Campus Total**: A total of 3 learning activities were provided for 498 registrants.

Off-Campus Courses

Audio-Teleconferences
The two series described above were also offered simultaneously as audio-conferences. The Fall program served 106 registrants in 15 sites; and the Spring program 135 registrants in 14 sites.

Total Participation in Continuing Education in Nutrition and Dietetics

A grand total of 739 registrants participated in the 5 learning activities offered.

Continuing Pharmacy Education (CPE)

On-Campus Courses

A total of 5 courses were offered to 431 registrants.

Off-Campus Courses

A continuing strength of the Continuing Pharmacy Education program is the number and diversity of off-campus offerings.

1. **Short Courses Offered by CPE**
   A total of 4 courses on 3 different topics were provided in 4 communities for 123 registrants.

2. **Short Courses Offered by CPE Regional Co-ordinators**
   The CPE Regional Co-ordinators' Network consisted of 27 practicing pharmacists who provided 20 courses for 787 registrants in 1987-88.

3. **Audio Teleconferences**
   CPE provided three telephone conferences for 255 registrants in 1987-88. A variety of approaches were used including combining the audioconference with a presentation to a Vancouver audience, and sending video and print materials to each site.

4. **Independent Study**
   Independent Study via printed materials continued to be an important delivery system during 1987-88. A total of 10 programs attracted 1,311 registrants.

5. **Off-Campus Total**: A total of 34 learning opportunities were provided to 2,476 registrants.

Total Participation in Continuing Pharmacy Education
A grand total of 2,907 registrants took part in the 42 learning activities presented during 1987-88.

Continuing Education in Rehabilitation Medicine

During 1987-88 the Division of Continuing Education in Rehabilitation Medicine resumed its status as an active programming unit. It offered one course and participated in the planning of another.

On-Campus Courses
One course entitled "Computers for Adults with Physical Disabilities" was offered in August 1988. It was an intensive two-day course for Occupational Therapists limited to 20 participants.

Total Participation in Continuing Education in Rehabilitation Medicine
A total of 20 registrants participated in the one course provided.

Interprofessional Continuing Education

A total of 1,827 health professionals participated in the six "on-campus" courses offered during 1987-88.

Please see Objective B below for particulars.

B. To Initiate and Support New Teaching Methods That Facilitate and Stimulate Learning Among Members of Two or More Health Professions

Interprofessional activities continue to be one of the most exciting and stimulating challenges faced by the Division. Such activities result both from careful planning and as a natural consequence of health professionals sharing a common working environment.

During 1987-88, a new Division: "Interprofessional Continuing Education in the Health Sciences" was established. Mr. R. Gobert was named Director.

The following programs were offered:

1. **On Campus Courses**

Five interprofessional courses were offered in 1987-88:

a. "Improving Professional Impact by Developing Effective People Skills": Oct/Nov. 1987 for 205 registrants in 11 professions;

b. "The First International AIDS Symposium": Nov. 1-3, 1987 for 696 registrants in 7 professions;

c. "The Fourth International Seating Symposium": Feb. 18-20, 1988 for 408 registrants in 6 professions;

d. "Diabetes Type II - Challenge for the Nineties": May 6-7, 1988 for 243 registrants in 7 professions; and

e. "Evaluation and Treatment of Swallowing Disorders": June 11-12, 1988 for approximately 75 registrants in 5 professions.

A total of 1,627 registrants participated in these 5 programs.

2. **Special Lectures**

The annual John F. McCreary Lecture on "Health Promotion" was held October 8, 1987 and was attended by approximately 200 health sciences students, faculty and clinicians from a wide range of professions.

3. **Total Participation in Interprofessional Continuing Education**
A grand total of 1,827 health professionals participated in the six learning activities provided.

C. To Offer Educational Opportunities to Assist in the Planning and Conducting of Continuing Health Education Programs

A one-day workshop was held for the nine Regional Co-ordinators in Dentistry. A total of 54 co-ordinators are now active in British Columbia in three professions: Dentistry, Nutrition and Dietetics, and Pharmacy.

D. To Encourage and Assist Health Professionals in the Community to Initiate Their Own Continuing Education Activities and to Provide them with Faculty Support When Requested

1. **Program Planning Guide**

Approximately 100 introductory handbooks on program planning were sold at cost to provide health professionals with a reliable reference to help them develop sound continuing education programs. Orders for multiple copies were received from the Vancouver Vocational Institute (who also requested and received permission to reproduce 200 copies of specific sections of the guide); the University of Calgary Bookstore; The Mountain Institute of Health Care; and the British Columbia Dental Hygienists' Association.

2. **Consultations**

Each of the Divisions provides advice and assistance to health professionals in the community who are planning continuing education events. Frequently this process involves suggesting the names of faculty and others who might act as speakers. Regional Co-ordinators receive this kind of assistance on an ongoing basis.

E. To Offer Consultative Services Regarding Continuing Education for Health Professionals

1. **Regional Co-ordinators**

The Directors of Continuing Education in Dentistry, Pharmacy and Nutrition offer consultative services of a variety of kinds to their regional co-ordinators on an ongoing basis.

2. **Health Sciences Community**

All members of the Division respond to requests from the health sciences community in British Columbia and elsewhere. The most frequent topics of consultations are planning, evaluation, and the interprofessional approach to continuing education.

F. To Establish Liaison With Other Groups Providing Continuing Education Programs In Order to Facilitate Co-operative Programming and Co-ordination of Continuing Education Activities Throughout the Province

Members of the Division established and maintained liaison with a variety of agencies and organizations involved in continuing education. These included, among others:

1. The British Columbia Health Association
2. The British Columbia Institute of Technology, School of Health Sciences
3. Centre for Continuing Education, U.B.C.
4. Continuing Legal Education Society of British Columbia
5. Knowledge Network of the West
6. Vancouver Community College, Central Continuing Education Division, and Langara Campus
7. University of Victoria, Extension Division
8. Professional Associations and Teaching Hospitals

G. To Initiate and Support Research Activities Pertinent to the Development of Continuing Education in the Health Sciences

1. **Background**

Almost since the inception of CEHS, one of its major goals has been the development of research programs to investigate the links, if any, between participation in continuing education and improvements in professional competence as demonstrated in the practice setting. This type of research is the planned second step in a process which began with a major program to help health professionals improve their ability to plan, implement and evaluate continuing education programs. This program, a joint venture between CEHS and UBC's Department of Adult Education, was funded by the W.K. Kellogg Foundation. It produced graduates at the master's and doctoral levels who could play a major role in professional associations and organizations, and in educational institutions. In addition, health professionals in communities (in-service educators in hospitals, local professional association representatives, etc.) were given "nuts and bolts" training in identifying learning needs, sound program budgetting, planning and evaluation. In 1974, verbal assurances about the availability of funding for "impact" research were provided by Health and Welfare Canada - National Health Research and Development Program during a site visit to UBC. On the strength of these assurances, a research scholar was engaged. However the funds were not forthcoming. In spite of continued assurances given in Ottawa to then Co-ordinator of Health Sciences, Dr. John F. McCreary, the funds were never released. The research scholar was discharged, and research initiative was placed "on hold."

In the subsequent decade, many attempts have been made to revive this important project. Applications were submitted to the W.K. Kellogg Foundation, Health and Welfare Canada: NHRDP (again and again); the B.C. Health Care Research Foundation; the Mr. and Mrs. P.A. Woodward Foundation, and others. None has been successful.

2. **Significant Developments**

Since the early 1970's, two developments have occurred that heighten the need for CE-related research:

Several B.C. professions have adopted mandatory continuing education, some as a condition of licensure.

The College of Pharmacists of B.C. has developed a mandatory Competency Assessment Program as a condition of licensure.

Research is required to support mandatory CE in case it is challenged in court. The Competency Assessment Program requires research in the delineation and assessment of components of competence and with regard to mandatory CE required of those whose assessment indicate that it is needed.

3. **Continued Frustration**

During 1987-88 two major proposals requesting a total of $493,871 were submitted:

"Assessing the Competence of Pharmacists," National Health & Welfare Research Development Grant: $399,677. Dr. David W. Fielding with Dr. Gordon G. Page.

"Assessing the Competence of Pharmacists," B.C. Health Care Research Foundation: $94,194. Dr. David W. Fielding with Dr. Gordon G. Page.

Both proposals were turned down.

4. **A Major Breakthrough**

In 1987-88, the British Columbia Medical Association (BCMA) agreed to provide funding over a four year period to enable Continuing Medical Education to conduct research and evaluation projects. Dr. Jennifer Craig has been engaged on a part-time basis for this purpose. She is now Assistant Director of Continuing Medical Education, Research and Evaluation.

This step by the BCMA is in keeping with the international recognition it gained in the 1970's by establishing the Medical Education Fund to assist B.C. physicians with the costs of participating in CME activities. Research related to improving the effectiveness of CE is an important second step.

H. To Encourage and Participate in the Development of Health Education Programs for the Public

By agreement with UBC's Centre for Continuing Education, CEHS rarely provides programs for the general public. It defers to the Centre whose expertise in planning and marketing public program is much greater. However, CEHS does recommend program ideas to the Centre from time to time, and is a member of the Centre's Advisory Committee on CE Programs in Health Promotion and Personal Development. Nevertheless, CEHS continues to acknowledge a responsibility for contributing to public education on important health issues. To this end, a public forum was planned in conjunction with the "First International AIDS Symposium" in November 1987. Speakers of international renown were scheduled as well as local community-based resource people. Publicity was arranged through UBC's Community Relations. In spite of the event being free of charge, only a handful of people attended. There were more members of the media present than members of the public.

In the future, CEHS is likely to continue to defer to the Centre with respect to public programming.

ACKNOWLEDGMENTS

Significant funding to assist with the development and implementation of continuing education programs was received from sources listed below. Their support is greatly appreciated.

The British Columbia Medical Association.
Funding for research and evaluation in Continuing Medical Education.

British Columbia Ministry of Advanced Education and Job Training.
Funding for Distance Education Programs.

The British Columbia Ministry of Health.
Funding for an interprofessional symposium on AIDS.

The British Columbia Lung Association.

Funding for interprofessional and uni-professional programs and projects relating to respiratory diseases, including tuberculosis.

Health and Welfare Canada.
National Health Research and Development Program.
Funding for an interprofessional symposium on AIDS.

The Royal College of Physicians and Surgeons of Canada.
Funding for several Continuing Medical Education programs.

The College of Dental Surgeons of British Columbia.
Funding to support the Regional Co-ordinators Network of Continuing Dental Education.

The College of Pharmacists of B.C. and the B.C. Pharmacists' Society.
Funding to support the activities of Continuing Pharmacy Education.

The Division wishes to acknowledge the many contributions in the form of advice, assistance, services, and educational space received from the many hospitals, health agencies, and professional associations throughout British Columbia. Our sincere appreciation is expressed to the many health professionals who assisted with course planning, who co-ordinated or taught the courses, and to the learners who registered as participants.

The leadership, encouragement and support of Dr. Morton D. Low, Co-ordinator of Health Sciences, is acknowledged with special appreciation.

DIVISION OF CONTINUING EDUCATION IN THE HEALTH SCIENCES
ACADEMIC AND ADMINISTRATIVE STAFF

Chairman of the Executive Committee, and
Director of the Division of Continuing Dental Education
Mrs. Jane M. Wong

Co-Directors of the Division of Continuing Education
in Audiology and Speech Sciences
Ms. Noelle L. Lamb
Ms. Elizabeth Duncan

Director of the Division of Continuing Medical Education
Dr. David S. Lirenman

Assistant Director of Continuing Medical Education
Responsible for Research and Evaluation
Dr. Jennifer Craig

Director of the Division of Continuing Nursing Education
Mrs. Olive Simpson

Director of the Division of Continuing Education
in Nutrition and Dietetics
Dr. Susan Barr

Director of the Division of Continuing Pharmacy Education
Dr. David W. Fielding

Assistant Director of Continuing Pharmacy Education
Mrs. Sharon McKinnon

Director of the Division of Continuing Education
in Rehabilitation Medicine
Ms. Jane Hudson

Executive Director, and
Director of the Division of Interprofessional Continuing Education
Mr. Robert Gobert

Distance Education Co-ordinator
Mr. John K. McLeod

Administrator
Mr. David J. Miller

The individual Directors of the continuing education programs for each profession are appointed by and responsible to the Deans or Directors of the Health Sciences Faculties and Schools. The Executive Director reports through the Executive Committee to the Co-ordinator of Health Sciences.

Executive Committee

During the academic year 1987-88, the Directors and administrative personnel met regularly, usually on a bi-weekly basis, as the Division's Executive Committee. Progress of each Division was reported and

policies, objectives and future directions were reviewed. In addition, the Directors met with their individual advisory committees and assisted with the planning of interprofessional offerings.

The Co-ordinator of Health Sciences is an ex officio member of the Executive Committee. Dr. Morton D. Low was Co-ordinator during 1987-88.

Management Committee

To improve the efficiency and effectiveness of administration and decision-making, a Management Committee was formed in 1987-88. It consisted of the Executive Director and the three Directors resident in the IRC building: Dentistry, Medicine, and Pharmacy. Meetings were held at the call of the chair (the chairperson of the Executive Committee).

DIVISION OF CONTINUING EDUCATION IN THE HEALTH SCIENCES
STATISTICAL SUMMARY OF ON CAMPUS AND OFF CAMPUS
REGISTRATIONS IN 1987-88

Program Areas	No. of On Campus Courses	Regis-trations	No. of Off Campus Courses	Regis-trations	Total Courses	Total Regis-trations
Audiology and Speech						
Courses	1	96	0	0		
Independent Study-Video	0	0	13	15		
TOTALS	1	96	13	15	14	111
Dentistry						
Courses	33	3,356	52	2,585		
Independent Study	0	0	43	123		
TOTALS	33	3,356	95	2,708	128	6,064
Medicine						
Courses	23	1,698	36	845		
Lecture Series (Sessions)	20	604	0	0		
Clinical Traineeships	14	14	0	0		
Audio Conference	0	0	10	223		
TOTALS	57	2,316	46	1,068	103	3,384
Nursing						
Courses	4	217	3	59	7	276
Nutrition and Dietetics						
Courses	1	40	0	0		
Lecture Series (Sessions)	8	458	0	0		
Audio Conference (Sessions)	0	0	8	241		
TOTALS	9	498	8	241	17	739
Pharmacy						
Courses	5	431	24	910		
Audio Conference	0	0	3	255		
Independent Study-Print	0	0	10	1,311		
Independent Study-Video	0	0	0	0		
Independent Study-Computer	0	0	0	0		
TOTALS	5	431	37	2,476	42	2,907
Rehabilitation Medicine						
Courses	1	40	0	0	1	40
Interprofessional						
Courses	5	1,627	0	0		
Lecture Series	1	200	0	0		
TOTALS	6	1,827	0	0	6	1,827
TOTALS	116	8,781	202	6,567	318	15,348

Total On Campus Courses	116	On Campus Registrations	8,781
Total Off Campus Courses	202	Off Campus Registrations	16,567
Total Courses	318	Total Registrations	15,348

51

PROFESSIONAL PROGRAMS OF THE FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

Professional Programs conducts the continuing education activities of the Faculty of Commerce and Business Administration. There are four divisions involved: Executive Programs, Diploma Division, Certificate Programs, and Real Estate Division. Executive Programs is concerned with short-term management seminars and conferences. The Diploma Division is responsible for long-term professional and managerial training. Certificate Programs administers the Notaries Public preparatory courses. The Real Estate Division is responsible for licensing and continuing education for the real estate industry.

Associate Dean Fred Siller is responsible for the Faculty's continuing education activities. Reporting to Dr. Siller are: Mrs. Bev Spicer, Real Estate Division and Certificate Programs; Miss Sharon Habkirk, Diploma Division; and Dr. Bruce Fauman, Executive Programs.

EXECUTIVE PROGRAMS

During the latest academic period, September 1, 1987 to August 31, 1988, Executive Programs presented 110 seminars to some 2,500 managers. These seminars covered a wide range of topics and were held at UBC, in downtown Vancouver, the Vancouver suburbs, the Fraser Valley, Victoria, and Penticton. Organizations that have acted as co-sponsors for some Executive Programs' seminars include: British Columbia Real Estate Association, Real Estate Institute of British Columbia, Centre for International Business Studies, and the Urban Development Institute.

The E.D. MacPhee Executive Conference Centre continues to be a superior facility for Executive Programs, providing an excellent atmosphere for continuing management education.

DIPLOMA DIVISION

The Diploma Division offers four professional development courses in conjunction with various professional associations. In total, 3,625 registrations were received in the Diploma Division during the period September 1, 1987 to August 31, 1988.

The Certified General Accountants' course remained the largest of the diploma offerings. There were 3,167 registrations, with some 68 lecturers and markers involved. The course requires five years to complete, and may be taken by lecture through U.B.C. or by correspondence through the Association.

The Graduate Admission Program for the Institute of Chartered Accountants accounted for 260 registrations.

The Marketing and Sales Management Diploma Program, three years in length, enrolled 155 students.

The Institute of Canadian Bankers registered approximately 43 students. Unfortunately, due to low enrollment figures, this course only held one class during this period of time.

THE REAL ESTATE DIVISION

The Real Estate Division provided training to approximately 3,320 students in the 1987-88 academic year. Courses offered consisted of the following: The Real Estate Salesman's and Sub-Mortgage Broker's Pre-Licensing Course; The Real Estate Agent's Pre-Licensing Course; Mortgages: A Real Estate Financing Course; and The Diploma Program in Urban Land Economics.

The Real Estate Salesman's and Sub-Morgage Broker's Pre-Licensing Course, offered four times this year by correspondence, enrolled 2,201 students.

The Real Estate Agent's Course, conducted four times per year by correspondence, registered 416 students.

Mortgages: A Real Estate Financing Course, offered in the fall, registered 125 students as full-time correspondence students.

The Diploma Program in Urban Land Economics enrolled 578 students.

CERTIFICATE PROGRAMS

Certificate Programs offers the Preparatory Course for Notaries Public. The course enrolled 49 people in 1987-88.

FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION
STATISTICAL SUMMARY OF REGISTRATIONS IN
PROFESSIONAL PROGRAMS 1987-88

Executive Programs		
Ninety-nine General Seminars	2,151	
Thirteen In-House Seminars to Ten Client Organizations	334	
Total		2,485
Diploma Division		
Chartered Accountants (GAP)	260	
Marketing and Sales Management	155	
Institute of Canadian Bankers	43	
Certified General Accountants	3,167	
Total		3,625
Real Estate Division		
Real Estate Salesman's and Sub-Mortgage Broker's Pre-licensing Course	2,201	
Real Estate Agent's Pre-Licensing Course	416	
Mortgages: A Real Estate Financing Course	125	
Diploma Program in Urban Land Economics	578	
Total		3,320
Certificate Programs		
Notaries Public Preparatory Course		49
TOTAL REGISTRATION		9,479

PROFESSIONAL CONTINUING EDUCATION PROGRAM OF THE SCHOOL OF SOCIAL WORK

This is a report on the status of the Continuing Education Program at the School of Social Work, directed by Dr. David S. Freeman. The Continuing Education Program is continuing in the direction which commenced in September 1986. The structure has seven dimensions. Each dimension is intended to reach a different population, to serve a different training need, and to provide a valuable resource throughout B.C.

1. **Specific In-Service Training for Agency Staff in the Lower Mainland**

   We continued to meet with the directors of the Association of Neighbourhood Houses to design a series of workshops that would best meet the needs of their diverse staff. Once the resource person was selected, the Association Directors met with him to discuss the proposed program. The workshop series was well received by the participants.

2. **Specific In-Service Training for Agency Staff in the Interior, Kootenays, Northern Areas, and Cariboo Regions of B.C.**

   We continued to receive requests for training from these areas. In order to stay within limited training funds, we decided to follow-up on a suggestion to make video-tapes of our Vancouver workshops available. We video-taped most workshops over the year for the purpose of future rental or purchase and to put them in the Social Work Library. They are now being catalogued for a brochure and will be circulated with the Social Work Continuing Education flyer.

3. **Annual Conference-Type Workshops offered in Spring and Fall**

   We administered two programs sponsored by the School of Social Work: (1) "In Whose Interest and for What Purpose - Ben Chud Day", a symposium co-sponsored by BCASW and the UBC Social Work Alumni; and (2) "Research Day", sponsored by the School of Social Work. We met several times with representatives from AIDS Vancouver, the Social Work Department of St. Paul's Hospital and faculty members of the School of Social Work to plan the two-day "Aids and the Family Symposium". Unfortunately, this had to be cancelled due to insufficient enrollment. We did, however, present a very successful two-day workshop offered by the internationally known family therapist from the U.S., Dr. Carl Whitaker. This was co-sponsored by the Pacific Coast Family Therapy Training Association.

4. **Exchange Programs with Other Continuing Education Programs in Western Canada, Washington, and Oregon**

   Ongoing discussions are being held with other continuing education programs in Canadian and northwestern U.S., (i.e. Seattle and Oregon), Schools of Social Work to co-sponsor and coordinate programs.

5. **Public Lectures/Co-sponsorship with Centre for Continuing Education**

   We sponsored one University colloquium and co-sponsored a workshop series offered by the Centre for Continuing Education and Community Economic Options. The latter was cancelled.

6. **The School of Social Work Continuing Education Program will continue to be a Co-sponsor of the Western Canadian Conference on Family Practice**

   The conference continues to be an integral part of the Continuing Education program.

7. Clinical M.S.W. Upgrading Program

A professional upgrading program for M.S.W. graduates is being developed.

We have continued to be responsive to the public at large as well as the social work community. We also intend to broaden our program to include co-ordinating, stimulating, and developing new opportunities in training. During the next two years, besides offering a range of professional courses, we plan to concentrate on developing a clinical M.S.W. upgrading program and provide more extensive training opportunities to agency staff outside of the Lower Mainland.

THE SCHOOL OF SOCIAL WORK CONTINUING EDUCATION PROGRAM
STATISTICAL SUMMARY OF REGISTRATIONS 1987-88

Programs

October 23	In Whose Interest (Ben Chud Day)	120
October 30	What Should I Tell Them? (Mary Hill)	32
November 28	Intrafamilial Sexual Abuse (Grams/Herbert)	20
January 30	Evaluation Techniques for Family Therapists (Trute)	21
February 25	Speaking Ritualistically in the Systemic Interview (Blom)	45
November 87-Feb 88 (4 sessions)	Family of Origin (Grams)	14
February 26 & 27	Two Days with Carl Whitaker	150
March 5	Treating Isolated Abusive Parents (Lovell)	30
March 18	Divorce Mediation (Irving)	20
May 6	Research Day	68
Total Registrations in Programs		520

Sponsorship

May 29-June 1	Western Canadian Conference on Family Practice	252
TOTAL REGISTRATION		772

Cancelled Workshops

Oct 6-27	Growing From the Roots Up: Community-based Economic Development (Co-sponsored by CCE and Community Economic Options)
October 9	Suicide and Self Mutilation (Perry)
January 29	Battered Women (MacKenzie)
April 15/16	AIDS Symposium
April 22/23	Adolescents and the Family (Slive)

PROFESSIONAL CONTINUING AND DISTANCE EDUCATION ACTIVITIES OF THE FACULTY OF AGRICULTURAL SCIENCES

Overview

In the past year, the UBC Faculty of Agricultural Sciences has continued to emphasize the use of distance education methods to provide academic opportunities for people throughout B.C. Four credit courses are now being offered regularly through multi-media distance delivery. Other courses are in development. The program enables young college students and others to complete the Agricultural Sciences' first and second year program in their own community. As well, the program's objectives include providing post-baccalaureate certificate and diploma opportunities by distance education.

The Faculty's continuing education, professional development offerings continue to be constrained by finances. However, some events have been offered and the television programs broadcast on Knowledge Network as part of the academic courses (particularly those with live interactive components) do meet some of the interests and needs of British Columbians in general and Faculty constituents in particular. Faculty members also keep the public and agricultural professionals informed through lectures and talks, scientific exhibits, displays and tours.

Academic Courses

The process of conversion of the on-site courses being delivered in the B.C. Interior to guided independent study courses continued at a pace in 1987-88. Food Science 258 and Animal Science 258 were added this year, and work commenced on Agricultural Economics 201, Animal Science 480 and Plant Science 259.

Non-Credit Programs

The Faculty's program of professional development, although still constrained by economic circumstances, continued to serve the field at approximately the same level as last year. Eight programs were offered this year, attracting 719 participants. While last year many of the programs could be held in locations throughout the province, this year all but one of the programs were held in the Vancouver area. Several of the programs were offered cooperatively with other agencies and groups.

Other Activities

In addition to the continuing and distance education programs offered by the Faculty of Agricultural Science, the Faculty also sponsored a number of scientific exhibits and demonstrations, outlined further on in this report.

FACULTY OF AGRICULTURAL SCIENCES
STATISTICAL SUMMARY OF REGISTRATIONS IN PROFESSIONAL CONTINUING AND DISTANCE EDUCATION ACTIVITIES 1987-88

Continuing Education*

Salmonid Culture (Technical Home Study Manual)	Sept 1/87-Aug. 30/88		121
Effective Media Relations Short Course	Nov. 21/87	UBC	27
Histopathology of Fish Diseases	Dec. 15-16/87	Vancouver	35
Soil Science Workshop	Feb. 18-19/88	Vancouver	165
Plant Micropropagation Workshop	March 25-27/88	UBC	8
Agirculture in the Classroom Conference	April 29-30/88	UBC	31
Oyster River Farm Producer Day	July 11/88	Oyster River	125
7th North American Forest Soil Conference	July 24-28/88	Vancouver	207
TOTAL REGISTRATION			719

Distance Education

Agricultural Sciences 110	being delivered by Guided Independent Study
Soil Science 200	being delivered by Guided Independent Study
Food Science 258	being delivered by Guided Independent Study
Animal Science 258	being delivered by Guided Independent Study
Animal Science 480	in development
Agricultural Economics 201	in development
Plant Science 259	in planning

*Some programs were offered cooperatively with other agencies or groups.

FACULTY OF EDUCATION NON-CREDIT ACTIVITIES

This report covers the period September 1, 1987 to August August 31, 1988, and presents information concerning the non-credit activities of 134 members of the Faculty of Education from 13 different programs and departments as listed in Table 1 (see next page). Activities were directed primarily toward teachers throughout the Province (approximately 27,000), a variety of educational agencies (i.e. 75 school districts and government departments), and professional research and educational agencies. Also included is service directed to a wide range of non-profit associations and societies in the public sector.

Events included lectures, seminars and workshops, presentations at conferences, musical and theatrical performances, and art and scientific exhibitions, both those sponsored by the Faculty and its departments and those engaged in by individual faculty members. A total of 283 lectures were presented to 12,072 people. Seminars and workshops numbered 498 serving 19,596 participants. Presentations were made at 236 conferences to a total audience of 29,831. Eighteen musical and theatrical performances were offered to 1,030 people and in the area of art, four exhibitions for 52 people and seven scientific exhibitions and demonstrations were conducted for 130 people. In total, 1,046 events were reported serving 62,711 persons.

Another important service provided by Faculty took the form of participation on the boards and committees of numerous public or private non-profit associations or societies (Table 2). Societies include professional organizations, religious institutions, and agencies that serve special interest groups (e.g. people with learning disabilities or mental handicaps). A total of 170 organizations were listed, with Faculty attending 1,224 meetings annually for 7,751 hours. Table 2 also reflects voluntary consultation or project work by Faculty members for various government and professional organizations, religious institutions, and community groups. Services were provided for 166 organizations for a total of 7,185 hours per year.

Table 2. - VOLUNTARY SERVICE AND PARTICIPATION ON BOARDS AND COMMITTEES

	Number of Organizations	Number of Meetings	Number of Hours Annually
Boards and Committees	170	1,224	7,751
Voluntary Service i.e. Consultation/Projects	166		7,185

Another non-credit activity of the Faculty concerns appearances on television, radio broadcasts and interviews with the press. During the 1987-88 period covered in this report, 88 Faculty members participated in 116 media events.

Table 1. - FACULTY OF EDUCATION NON-CREDIT ACTIVITIES (1987 - 1988)

		Lectures		Seminars/Workshops		Conferences/Congresses		Musical and Theatrical Performances		Art and Other Exhibitions		Scientific Exhibits and Demonstrations	
	No. of Faculty Reporting	No. of Events	No. of People Served	No. of Events	No. of People Served	No. of Events	No. of People Served	No. of Events	No. of People Served	No. of Events	No. of People Served	No. of Events	No. of People Served
Administrative Adult and Higher Education	13	14	1042	18	5972	29	6805						
Counselling Psychology	10	16	793	29	1217	13	303					2	30
Curriculum Laboratory	1	2	50										
Dean's Office	2	11	1530	10	921	1	20						
Distance Education Office	2	44	736	151	1458	3	1646						
Educational Psychology and Special Education	21	36	947	46	1639	35	3654						
Language Education	17	43	1813	61	1814	38	2894						
Math and Science Education	16	32	803	46	1224	26	1150					3	100
Native Indian Teacher Education Program	4	4	320	21	681	8	167			3		2	
Physical Education and Recreation	19	28	930	24	1067	21	1860						
Social and Educational Studies	17	29	1420	40	1150	37	5792						
Teacher Education Office	1	3	58	1	25								
Visual and Performing Arts	11	21	1630	51	1328	25	5540	18	1030	1	52		
TOTAL	134	283	12,072	498	19,596	236	29,831	18	1030	4	52	7	130

Furthermore, in addition to the participation of individual faculty members reported above, 7 units conducted 12 conferences for 3,195 participants as shown below (Table 3).

Table 3. - CONFERENCES SPONSORED BY THE FACULTY OF EDUCATION

Sponsoring Department	Conference Title	Number of Participants
Administrative, Adult and Higher Education	1988 Principals Short Course	95
	1988 Principals of First Nation Schools Short Course	40
	The Development of Adult Educators	125
	International Indigenous Peoples' Education Day	100
Centre for Policy Studies	Literacy and the Economy: An International Perspective	25
Centre for Curriculum and Instruction	The Royal Commission on Education	30
Distance Education Office	Computer Using Educators of British Columbia	500
	UBC Connect	180
Math and Science	Science Spectrum	600
Education	Physics Olympics	300
Language Education	Whole Language	200
Social and Educational Studies	Pacific Rim Conference	1,000
TOTAL		3,195

Factors such as geographic barriers, remote areas, the high cost of travel, and scattered population distribution make it impractical to reach all of British Columbia's educators and school districts with face-to-face activities. In order to provide continuing education activities for educators in B.C. without prejudice to their location, the Faculty of Education through the Distance Education Office and in cooperation with UBC Media Services is active in the production and distribution of two collections of video tapes and print material. One collection focuses on Current and Special Issues in Education and the other presents interviews with Outstanding Educators.

More than 55 video tapes containing over 1,650 minutes of educational information along with supportive print packages are now available for distribution. The authors and interviewers for this educational material are members of the Faculty of Education. Many local school districts, government agencies, and other organizations have obtained their own copies of these packages which ensures ready access for users throughout the province but makes it impossible to obtain specific information concerning usage.

Ten telecourses that consist of 10-12 video tapes and print material for each course are now available for the continuing education of teachers. In addition to the offering of these packages as credit courses on educational television and to small study groups, segments of this material are used for teacher in-service

programs, workshops, and individual study. During the 1987-88 academic year six courses were broadcast on the public service television station (the Knowledge Network) and were therefore available to the general public. The content of these programs includes Special Education, Counselling Psychology, Early Childhood Education, Micro-Computer Applications in the Classroom, Curriculum and Instruction, and Effective Teaching.

The picture that emerges from this report reflects a Faculty that, in addition to conducting a complete on-campus program of teacher preparation, is highly involved in the continuing professional development of practising teachers and the provision of education and service for other professionals and community organizations. Figures indicate that more than 60,000 people were served in face-to-face activities along with an undetermined number of people who had access to approximately 200 media events. Media events include credit courses broadcast on the Knowledge Network, special TV features, tele-conferences, radio broadcasts, and contact with the press.

The profile of an "average" faculty member portrays a person who, in addition to full-time teaching of credit courses on campus, contributes annually to a variety of non-credit, continuing education or service activities. Each year, he/she will offer 2.11 lectures, conduct 3.71 workshops or seminars, and present papers at 1.76 conferences or congresses. This hypothetical person will serve on 1.2 boards or committees of professional, government, or community organizations and in the course of this participation attend 9.3 meetings for 57.8 hours during the period of one year. Additional volunteer service in the form of consultation or project work will be offered for 53.6 hours annually to 1.23 organizations.

CONTINUING AND DISTANCE EDUCATION ACTIVITIES OF THE FACULTY OF FORESTRY

The faculty and staff continued to have a heavy involvement in continuing education activities throughout the reporting period. Faculty and staff reported a total of 473 activities during the year. Activities ranged from involvement with education sub-committees and organization of major conferences, to leading groups of visitors on tours and workshops, and presenting learned papers. During the course of these activities, Faculty visited some 13 countries outside Canada.

Activities also included involvement with other education institutions within the Province through articulation meetings, serving on advisory bodies for post secondary education programs of regional colleges, and addressing groups of students during career days and at field camps.

Demands for continuing education are placed on faculty in the form of requests for participation as speakers, organizers of tours, educational excursions and guest teachers. The faculty respond to these requests on both an individual and collective basis, and this commitment is reflected in the lengthy list of activities summarized in this report, some 80% of the 50 faculty and staff reporting continuing education work during the year.

Continuing education activities sponsored and organized by the Faculty of Forestry during 1987-88 included twenty-one workshops on a variety of topics and were held on campus, locally within British Columbia and throughout North America, with an attendance of some 1,495.

The Faculty continues to offer Distance Education courses, first established in 1981, and the seven credit courses had a total enrollment of 135 and the two non-credit courses an enrollment of 28. These are included in the report of UBC Access at the beginning of this report. Forestry courses offered through the Open University had 13 participants.

The Faculty continued to support the non-profit Silviculture Institute of British Columbia society, and some seventeen faculty were involved in 28 full day workshop presentations or lectures, in Surrey or Prince George, given to professional foresters.

UBC Malcolm Knapp Research Forest at Maple Ridge provides an additional contribution to professional development and the general public. In excess of 10,000 persons visited the Forest during the report period, over 1,500 persons receiving guided tours or participating in field workshops.

FACULTY OF FORESTRY
STATISTICAL SUMMARY OF REGISTRATIONS IN
CONTINUING AND DISTANCE EDUCATION ACTIVITIES 1987-88

Continuing Education*			
Range and Wildlife Prescribed Burning Workshop	Oct. 27-28	Richmond	120
Pruning Workshop	Oct. 30	Maple Ridge	65
Scanning Techniques Development	Dec. 8	Vancouver	120
Vegetation Management Workshop	Feb. 15-17	Vancouver	200
Federation of B.C. Woodlot Associations	Feb. 18	Victoria	20
Co-operative Arrangements Workshop	March 1	Vancouver	12
Future Forests Conference	March 4-5	Victoria	150
Mount Baker National Forest Management Plan Review	March 10	Vancouver	25
Wolf Management Symposium	May 10-11	Vancouver	270
FORCYTE Workshops	Nov. 12,13 Dec. 21 Jan. 14,19,20,25,27,28 March 15,17,18,21,30 June 2,3 August 3	Edmonton, Alta.; St. John's, Nfld.; Portland, Oregon; Quebec; Ottawa, Ont. Pack Forest, Wn; Victoria, B.C.; Surrey, B.C.; Nanaimo, B.C.; Kingston, Ont.; Carleton U.	473

Distance Education	
Credit Courses:	
Forestry 111,202,203,302,308,319,405	being delivered by Guided Independent Study and included under that heading
Non Credit Courses:	
Manufacture of Forest Products	being delivered by Guided Independent Study and included under that heading Principles of Forest Land Management
TOTAL REGISTRATION	1,455

*Several of these programs were offered cooperatively with other agencies and groups.

SCHOOL OF PHYSICAL EDUCATION AND RECREATION
COMMUNITY SPORTS SERVICES ADULT PROGRAM

The Community Sports Services of the School of Physical Education and Recreation operates spring and summer programs of adult instructional skills classes in cycling, golf and ice hockey. Utilizing the University's unique facilities and instructional personnel, these classes were created to provide adults with excellence in sport skill development.

COMMUNITY SPORTS SERVICES ADULT PROGRAM
STATISTICAL SUMMARY OF REGISTRATIONS 1987-88

Adult Cycling	28
Adult Golf Program	120
Adult Ice Hockey	62
TOTAL REGISTRATIONS	210

MUSEUM OF ANTHROPOLOGY: EXHIBITS AND PROGRAMS

The main objective of the UBC Museum of Anthropology is to develop a high quality, high profile institution which conducts active programs in teaching, research and experimentation. Principal activities combine public programs with teaching and research in an ongoing effort to increase public access and involvement. Many of the Museum's non-credit educational opportunities and public programs are designed for the general public: adults, children, senior citizens, professional organizations and other special interest groups. A major aim of public programming is to encourage and promote understanding and awareness of Canada's multicultural heritage.

Adult oriented activities include lecture and film series, workshops, cultural excursions, individual lectures, demonstrations, behind-the-scenes tours, identification clinics, guided gallery walks, illustrated lectures, theatre, music and dance performances, temporary and travelling exhibitions, and museum outreach or extension programs.

A major focus of MOA's 1987-88 programming was our involvement with Native Indian groups. MOA participated in a job re-entry program for three women from the Musqueam Indian Band from January to April, 1988. This program provided on-the-job training in reception, admissions, gift shop, word processing, artifact handling, accessioning, demonstrations for the public and attending lectures. The participants' major project was to research and coordinate an exhibit on the history of Musqueam families since 1900 which opened in the summer of 1988.

The Museum also negotiateed with the Canadian Museum of Civilization a major contract to supervise the construction by Native B.C. artisans of six replica Northwest Coast longhouses for installation in the Grand Hall in the new national museum.

Correctional Services of Canada renewed the grant enabling MOA staff to coordinate training and workshops to Native inmates in local prisons as part of our Prison Outreach Program.

The ongoing Native Youth Project, in addition to regular Museum programming, expanded its successful outreach program. Locally, presentations were made at the Mission Friendship Centre and the Indian Education Centre. Farther afield, programs were presented in Comox at the invitation of the Comox Indian Band, in Port Townsend, Washington, at the invitation of the Association of Experiential Education "Celebrating Diversity" conference, and at the community halls and museums in Massett, Skidegate, Port Simpson and Prince Rupert. The programs given by the Native Youth students detail aspects of traditional and contemporary Northwest Coast Native Indian culture. Programs utilize audiovisual materials and a sizeable "touchable" artifact collection which accompany the group for all outreach programs.

The Museum of Anthropology's involvement with Native peoples has led to an increasing number of invitations to consult with other institutions. The director, for example, has been invited to speak at the Canadian Museum Association, American Museum Association, the Art Gallery and Museum Association of New Zealand, the Hawaii Museum Association, and a special conference to be held at Six Nations in November, 1988. He was also requested by Dr. George MacDonald, Director of the Canadian Museum of Civilization, to chair a national conference on the relations between museums and Native peoples held in Ottawa in September, 1988. Other Museum staff also continue to work closely with Native groups.

MOA's public activities included seven single lectures and six lecture series on topics ranging from archaeology, traditional and contemporary Native Indian art and culture, and material culture of Indonesia, Africa, Greece and North America.

MOA hosted two special events in conjunction with the Commonwealth Heads of Government Meetings in October, 1988. The first event was the opening of the exhibit, "Images: Photographic Expressions of the Commonwealth," by Mrs. Mila Mulroney and the spouses of Commonwealth prime ministers and foreign

ministers. The second event was a private "bull-pit" session with Canada's Minister for External Affairs Joe Clark, Commonwealth Foreign Ministers and students from UBC, SFU, and UVic who discussed issues concerning the Commonwealth today.

MOA staff assisted members of the public with the identification and conservation of objects. There were demonstrations of Salish weaving, behind-the-scenes tours, Gallery Guided walks through the Museum and Native Youth presentations on contemporary and traditional Northwest Coast Indian culture. Six cultural excursions were offered to introduce participants to petroglyphs, archaeology, Chinatown, a local foundry and to view special art exhibits in Seattle.

MOA sponsored the 2nd Annual Northern Pacific Popular Culture Association Conference in May, 1988. This included performances by the Evelyn Roth Moving Company and Archer Mayling and Friends.

Special music, dance and theatre performances featured Sri Lankan drumming, Japanese Noh Theatre, classical music, Northwest Coast songs and performances by Evelyn Roth. In addition to these were exhibit openings and receptions for Royalty, VIPs and special guests.

Twenty-four Sunday programs included contemporary and Native dance and drama and musical concerts from several cultural traditions.

Eleven temporary exhibitions were installed during the 1987-88 year concentrating on scientific research in museums, photographs of life in the Commonwealth, contemporary Native art and photography, Chilean stitcheries, Japanese masks and Indonesian textiles. Students at MOA produced several exhibits on Hindu religious sculptures, bronzes and posters and a new exhibit concept "Popology," a critical and reflexive review of Canadian culture. Four small installations of notable donations were produced and the new textile storage/display cases in the orientation area highlighted five mini exhibits on special themes.

The non-visiting public were served by nine travelling exhibits which are being circulated to museums throughout B.C. and Canada. For the first time, MOA sent an exhibit of Northwest Coast Indian masks to Canada House, London and the Birmingham Museum in Great Britain. Other extension exhibits include on-going installations at Vancouver International Airport, the UBC Acute Care Hospital and the Asia Pacific Foundation. Three outreach exhibits were arranged to complement special conferences in the city. The Print-Out art loan program placed forty-five contemporary Northwest Coast silkscreen prints in six corporate and government offices.

The Museum also served the public through publications, video productions, videodisc experimentation and labelling devices, and a variety of education kits for school age children. Some enhance the experience for Museum visitors, others reach a wider public.

The Museum of Anthropology concluded one of the most active years in its history, building upon the boost in publicity and recognition received during the EXPO'86 year. This is further evidence that the Museum of Anthropology is now internationally recognized as one of Canada's leading museums.

MUSEUM OF ANTHROPOLOGY
STATISTICAL SUMMARY OF PARTICIPATION
IN PROGRAMS 1987-88

Single Lectures	265	
Lecture Series	278	
Identification Clinics	80	
Behind-the-Scenes Tours	50	+
Gallery Guides	1,500	+
Cultural Excursions	120	+
Conferences and Congresses	100	+
Theatre, Music, Dance Performances	**	
Openings, Receptions and Barbecues	4,150	+
Sunday Performances	3,710	
Escorted Tours/Visits	5,686	
TOTAL	15,939	

* Attendance figures are calculated at the admissions counter and checked by ticket sales.

** These totals are incorporated in the Sunday Performances.

Total Museum attendance September 1, 1987 to August 31, 1988 was 151,927.

UBC BOTANICAL GARDEN

The academic year 1987-88 has been a productive and exciting year for the Garden both with the University community and the public sector.

We had over 60,000 visitors to the Garden, which is up some 20,000 from the previous year.

Botanical staff members gave 49 specialized lectures to groups which varied from professional B.C. nursery trades staff, through VanDusen Botanical Garden guides and school teachers, to specialized Garden Club members.

The Garden now also offers its own continuing education program for the general public. We had a very successful year with 28 courses which enrolled 500 participants.

Our phone-in information line, the Hortline, worked on reduced hours this season due to staffing problems. In the summer it was operated 9 hours per week, and for the rest of the year for 6 hours per week. We have answered 2,500 phone calls, 300 drop-in queries and 100 mail inquiries.

The Friends of the Garden, our volunteer organization, gave 63 tours of the Garden to school and other specialized groups. They also held their annual Student Plant Sale to promote the Garden and introduce it to new students; this was attended by 2,750 students. The Friends of the Garden also held their annual Special Lecture at the Faculty Club in March, attended by 250 people.

Two special interpretive Open Sundays were held in 1987-88, one in June and the other in July, with 500 people being given tours of the Garden.

FREE PUBLIC LECTURES, COURSES AND SEMINARS

Many faculties, academic departments and institutes offer lectures and seminars, free of charge, and open to faculty, staff, students, professionals in the field and to the general public. Attendance at these events varies considerably from two to three non-university participants to several hundred in the larger public lecture series. The lecturers are UBC faculty or visiting professors.

It is very difficult, if not impossible, to have a record of the literally hundreds of lectures and seminars held during the course of an academic year, and of the number of non-university participants. This report can only attempt to highlight the major public lecture series and to offer examples of other activities in this area that have attracted professionals and members of the general public. There can be no doubt however, that these events constitute another important service rendered by the University to the community.

The Cecil H. and Ida Green Visiting Professorship Lectures

A fund established by Cecil H. and Ida Green enables the University to bring to the campus outstanding scholars and researchers from Canada and abroad. In adition to being available for consultation and informal seminars for the University community, the visiting professors give free public lectures. The following were the visiting lecturers in 1987-88:

Sir Owen Chadwick, O.M., recently retired Regius Professor of Modern History, Master of Selwyn College, Cambridge, one of Britain's most distinguished historians; Dr. E. Arthur Bell, Director of the Royal Botanic Gardens at Kew, England, outstanding plant biochemist and world-renowned botanist; Professor Edward G. Seidensticker, acclaimed translator of Japanese literature and a first-rate literary critic; and Professor Charles Taylor, one of the most distinguished Canadian philosophers.

These outstanding visitors gave a total of 14 public lectures and seminars which attracted 3,045 people.

Leon and Thea Koerner Lectures

The nine Leo and Thea Koerner Lectures offered in 1987-88 had an audience of 345. The lectures were delivered by Professor Armin Wolf, University of Frankfurt and Max-Planck Institute for European Legal History; Professor Menachem Kellner, Department of Jewish Thought, University of Haifa; Professor Anthony Newcomb, Department of Music, University of California, Berkeley; Professor Miha'ly Vajda, Visiting Fellow, Trent University; and Professor John Barham, Fellow & Senior Tutor in English, New College, Oxford.

Other Memorial Lectures

Professor J.M. Beattie, Department of History, University of Toronto, delivered two lectures on 18th Century England, attended by 90 people, under the Hewitt Bostock Memorial Lecture.

Professor Aleksey E. Levin, a recent emigre from the Soviet Union and Visiting Professor, History and Philosophy of Science, University of Maryland, delivered the annual Dal Grauer Memorial Lecture, with 200 in attendance.

Computing Centre Non-Credit Courses

As in previous years, the Computing Centre offered a series of short non-credit courses on the use of computing facilities at UBC. Fifty-eight courses were offered this year, attracting 2,989 participants. This represents an increase of about 25% in courses offered and participants over last year. The courses are directed primarily towards UBC faculty, graduate students and staff, but are open to the public and attract a number of off campus participants.

Institute of Applied Mathematics

The Institute again organized the Applied Mathematics Seminar, with 23 sessions. Fifteen sessions of the Optimization Seminar also were held this year. The Institute continued with its publishing program, with nine new titles in the IAM Technical Reports series.

Other Selected Activities

The following are examples of conferences, seminars, short courses, workshops, lectures and other events organized or sponsored by academic departments and open to the public.

The Department of Asian Studies and the Institute of Asian Research organized an international symposium "The Walls Within: Images of Westerners in Japan and Images of the Japanese Abroad", held May 8-10.

The Department of Creative Writing co-sponsored the "Annual General Meeting of the League of Canadian Poets", held at UBC in May 1988.

The Department of Fine Arts sponsored a symposium "The Triumph of Pessimism: The Re-emergence of Modern Art in Post-45 Western Culture", held September 26-27.

The Departments of English and French, with assistance from other departments in the Faculty of Arts, hosted the meetings of the Canadian Society for Eighteen-Century Studies and the Samuel Johnson Society of the North-West, on the theme "Liberté et Libertinage", held October 15-17.

The Department of Germanic Studies, with Goethe Institute, co-sponsored an international conference "Literature as Film", with twelve speakers from Germany, U.S.A. and Canada, held October 16-17.

The Committee for Medieval Studies of the Faculty of Arts organized the 18th annual "Medieval Workshop" in November, devoted to dynasty in the Middle Ages.

The Adult Education Program and the UBC Gerontology Committee sponsored a public lecture by Dr. James E. Biren, Dean Emeritus, Andrus Gerontology Centre, University of Southern California on "What is Happening in Gerontology in 1987 of Interest to Education", held on October 2.

The Department of Civil Engineering sponsored the "Joint American Society of Civil Engineers/Canadian Society for Civil Engineering Conference on Environmental Engineering", held in Vancouver July 12-15, which attracted 410 attendees from 15 countries. The Department also sponsored the "3rd International Conference on Computing in Civil Engineering", held on campus August 10-12, with 200 participants from 10 countries.

The Centre for Metallurgical Process Engineering presented the annual short course "Continuous Casting of Steel Billets, Blooms and Slabs", held April 11-15 at UBC with 55 participants from steel companies in North America and overseas. The Centre also offered a short course on "Theory and Practice of Hydrometallurgy", presented to some 40 people in conjunction with the "27th Annual Conference of Metallurgists", held August 26-28 in Montreal. In co-sponsorship with the Metallurgical Society of CIM, the Centre presented twice a short course on "Computer-Aided Process Analysis and Design", in April to 25 Inco engineers in Thompson, Manitoba, and in September to 35 industrial personnel in Sudbury, Ontario.

The Faculty of Law presented the Nathan T. Nemetz Lecture Series by Faculty members, held at the downtown Robson Square Media Centre February 23-April 26. It also sponsored the well attended "3rd Annual Conference on Law and Contemporary Social Issues", held at UBC February 12-13. Professor

Maurice Copithorne, holder of the Douglas McK. Brown Chair delivered the Douglas McK. Brown Lecture on March 3, and Professor Michael Crommelin, holder of the Walter S. Owen Chair gave the Walter S. Owen Lecture. The Faculty also offered the annual Leon Ladner Lecture, given this year by Sir Gordon Slynn on the topic of "Law for a Region: A European Experience", on November 3.

The Graduate Program in Neuroscience and the Neuroscience Discussion Group organized 14 seminars of interest to the University community as well as to neuroscientists and neurologists in medical practice.

The School of Nursing held the annual Marion Woodward Lecture on October 22; this year's topic, "Is the Current Illness Care System in Your Best Interest?", was delivered by Dr. Joy Durfee Calkin, Dean of the Faculty of Nursing, University of Calgary.

The annual John F. McCreary Lecture was given on October 8 by Dr. Lester Breslow, Professor of Public Health and Director of Health Services Research Division of Cancer Control, Jonsson Comprehensive Cancer Center, UCLA, on "Health Promotion: In Health Sciences Practice Settings, the Workplace and Schools".

Resource Ecology sponsored a Spring and Fall series of weekly seminars on ecological subjects of interest to the University community as well as researchers and professionals in the industry; 21 seminars were offered in this series.

The Faculty of Forestry co-sponsored the "World Congress on Entomology", and the "North American Soils Conference", both held in Vancouver in July, which attracted 3,300 and 2,000 participants respectively. The Faculty also was involved in the "International Energy Agency Workshop", held in August in Pack Forest, Washington, U.S.A.

In the Faculty of Medicine, the Department of Biochemistry organized a "Symposium on Technology Transfer" on April 19, and a series of "Biochemistry Monday Seminars". The Department of Family Practice offered two series of "Stress Management Workshops" and a half-day course on "Diabetes Update". The Division of Neonatology in the Department of Pediatrics continued to offer the "Neonatal Resuscitation Outreach Course", this year held in seven hospitals; since the introduction of this course in May of 1986, some 360 physicians and 100 nurses took advantage of it. The Department of Physiology offered a two-day course in June on the basic theory and practice of animal cell culture. The Departemnt of Psychiatry offered "Psychiatric Diagnostics", held on October 2 in Queen Charlotte City, and "Psychiatry in the North", held on December 4 in Prince George, as part of its Outreach Program. The Division of Neurosurgery in the Department of Surgery sponsored a combined "Western Canada-Japanese Neurosurgical Conference", held March 6-11 in Whistler, B.C.

The School of Physical Education and Recreation sponsored the "Fall Sports Medicine Annual Symposium" in November 1987, the "Winter Sports Medicine Ski Seminar", and the "Fitness for Life Workshop" in May 1988.

DEMONSTRATIONS, SCIENTIFIC EXHIBITS AND PUBLIC INFORMATION SERVICE

Several faculties and departments provided demonstrations and scientific exhibits for the public and also offered public information services on a large scale.

UBC Research Forest

The 5,157 hectare forest, established in 1949 at Maple Ridge and managed by the Faculty of Forestry, provides optimal environment for research, education and demonstration in all aspects of the forest sciences. The Forest provided a series of day tours for the general public, with the help of the B.C. Ministry of Forests and the Canadian Institute of Forestry; more than 3,000 people visited the Forest to walk through Demonstration Forest areas. Technological institutes and commmunity colleges also made a number of visits to the Forest. Field exerciess were undertaken by students from the B.C. Institute of Technology.

Geophysics and Astronomy Displays and Tours

The UBC Observatory continued its popular open nights program every Saturday year round, the finest regular observing program in Western Canada. The scheduled "Observatory Tour", which includes the Geophysical Observatory with the Lower Mainland Seismic Array and active earth gravity and magnetism displays, and the Astronomical Observatory, remain popular. Some 5,000 people took advantage of these tours. The Geophysic and Astronomy Departments' Information Line handled hundreds of calls on topics from earthquakes to black holes.

The Geological Museum

The Museum has a fairly elaborate booth which offers specimen and information. Public attendance in 1987-88 was around 10,000.

Faculty of Agricultural Sciences Information Services and Tours

The Faculty continued with the tours of the UBC Dairy Cattle Teaching and Research Unit, co-sponsored by the B.C. Dairy Foundation; the scheduled tours all summer and special tours by request during the rest of the year attracted some 3,500 people, many of them school children. Quail from the Quail Unit of the Department of Animal Science were featured at the Pacific National Exhibition and the Royal Manitoba Winter Fair; in addition, several tours were offered throughout the year. A number of visitors were given demonstrations and presentations in the Remote Sensing Lab for Forest Information Resource Management Systems. A comprehensive Embryo Transfer Exhibit was featured at the Pacific National Exhibition and exhibits focusing on sophisticated research and its commercial application were prepared by the Department of Food Science for Food Pacific '88.

The Botanical Garden

The Garden continued to operate its garden information telephone line, Hortline, which answered 2,500 enquiries. As well, 300 walk-in and 100 mail enquiries were answered. The successful weekly half-hour TV show on CBC, The Western Gardener, continued to be co-hosted by the Garden.

PUBLIC CONCERTS, THEATRE PERFORMANCES AND ART EXHIBITS

The University of British Columbia contributes to the cultural life of the lower Mainland and beyond through a large number of public concerts, theatre performances, readings and art exhibits. The comprehensive activities of the Museum of Anthropology in this area are outlined earlier in this report. This part covers activities of other units of the University.

School of Music, Public Concerts

The School of Music offers an extensive, varied program of public concerts and recitals both on and off campus. In 1987-88 the School presented about 175 free concerts for the general public and the University community. Among the distinguished artists and groups giving performances were: pianists Francine Kay, Michael Lewin, Pawel Checinski, and Michelle Mares; bassoonist Gabor Janota; A Touch of Brass; violinists Sydney Humphreys and Alexander Skvortzov; baritone Gary Dahl; sopranos Ingrid Suderman, Jeannette Walters, and Lena Hauser; violist Pierre-Henri Xuereb; The Brunswick String Quartet; clarinettist Robert Riseling; cellist Guy Fallot; organist Jeffrey Campbell, and guitarist Philip Dent-Candelaria. The Faculty Series spotlighted some of the School's distinguished performance faculty: pianist Douglas Finch, violinist Geoffrey Michaels, organist Darryl Nixon, and oboist Roger Cole. This series featured a mini-lecture before every concert that afforded the community an opportunity to learn more about the music about to be heard.

Every year, prominent performers from around the world are invited to the School of Music to conduct master classes and give public performances. This year, the School arranged a concert series to present these outstanding artists to all music lovers, The Guest Artist Series. Featured this year were: one of the world's leading cello virtuosos, George Neikrug; renowned American cellist Warren Lash; the American flute and guitar Schmidt/Verdery Duo; and the Canadian Music Council's 1980 "Musician of the Year", Canadian pianist Louis-Philippe Pelletier.

Special lectures, open to the public, were held throughout the year. Of note were those by two scholars from the University of California, Berkeley: Thomas Grey presented a talk entitled "*Periode* and *Entwicklung*: Wagner's 'Poetic-Musical Period' Reconsidered". Professor Anthony Newcomb, one of the most brilliant music historians of 19th-century music, was invited to come to the School under the auspices of the Leon and Thea Koerner Lectureships. Professor Newcomb gave two lectures here, one to a specialized audience and the other, the Koerner Lecture, entitled "Narrative Strategies in 19th-century Instrumental Music", to a general audience.

Two workshps afforded British Columbia's finest young musicians an opportunity to work with faculty and students of the School of Music. The successful joint orchestral workshop of the UBC Symphony Orchestra and the Vancouver Youth Symphony Orchestra was repeated this year, with Kazuyoshi Akiyama as conductor of a public concert which was the culmination of the workshop. The fourth annual UBC Band Festival, conducted by Professor Martin Berinbaum and guest conductors Morrie Backun, Ian McDougall, Vondis Miller, and Richard Van Slyke and featuring selected Grade 11 and 12 musicians from various parts of B.C., took place October 29 through November 1.

Tours of the School aid cultural development in outlying Canadian communities. This year, the UBC Wind Symphony, under the directorship of Professor Martin Berinbaum, travelled throughout British Columbia in February giving a total of 16 concerts in Kamloops, Salmon Arm, Barrier, Hope, and Merritt. In April and May, the UBC Chamber Singers, under the directorship of Professor Cortland Hultberg, presented 12 concerts and workshops in the Montreal area and 14 in Ottawa. These concerts included performances at elementary and secondary schools, churches, centres and halls. The total audience was over 5,500 people. Ensemble touring was again extended beyond the Province, with the University Singers, under the directorship of Professor James Fankhauser, travelling to Berkeley, California, and points in Washington State.

Once again the Vancouver Society for Early Music and the UBC School of Music combined forces to co-sponsor the thirteenth annual Vancouver Early Music Program, recognized as one of the major early music summer events on the continent. The Program consisted of four workshops and the Vancouver Early Music Festival. Two of the workshops continued along the lines of previous years: the Medieval Workshop was directed by the internationally renowned group Sequentia and the Early Music and Dance Workshop, a general workshop primarily for amateur musicians, involved 13 early music specialists from Vancouver, Seattle, Stanford, Toronto, and Cleveland. This year, the Baroque Workshop focused on string playing, particularly orchestral playing and the students joined their outstanding teachers, members of the internationally known Musica Antique Köln, in one of the Festival concerts. New to the Program this summer was the Renaissance Workshop; a faculty of four, directed by Vancouver's Ray Nurse, dealt with musical practice in Italy, c.1500. The Festival consisted of seven concerts involving the faculties of the various workshops and, as guest performers, Vancouver's Renaissance ensemble, The New World Concert.

Department of Theatre, Public Productions

Some 22,000 persons (students, UBC faculty and staff, and the general public) attended theatre productions sponsored by the Department of Theatre. During 1987-88 the following plays were presented:

Frederic Wood Theatre - Main Stage Season

A DOLL'S HOUSE by Henrik Ibsen
September 16-26

THE COLLECTED WORKS OF BILLY THE KID by Michael Ondaatje
November 18-28

JUNO AND THE PAYCOCK by Sean O'Casey
January 13-23

A FLEA IN HER EAR by Georges Feydeau
March 9-19

Workshops and MFA Thesis Productions

TAMBURLAINE by Christopher Marlowe
October 7-10

SUMMER by Edward Bond
October 13-17

MEASURE FOR MEASURE by William Shakespeare
January 26-30

EQUUS by Peter Shaffer
March 1-5

SEXUAL PERVERSITY IN CHICAGO by David Mamet
March 23-26

Theatre 520 one Act Plays

LONE STAR by James McLure/REUNION by David Mamet
October 28-30

RITES by Maureen Duffy/AFTER MAGRITTE by Tom Stoppard
December 7-9

WINNERS by Brian Friel/THE LESSON by Eugene Ionesco
February 10-12

MISS JULIE by August Strindberg/A RESOUNDING TINKLE by N.F. Simpson
April 6-8

Stage Campus '88 - Summerstock Productions

CRIMINALS IN LOVE by George F. Walker
June 1-11

LULU STREET by Ann Henry
June 29-July 9

PERICLES by William Shakespeare
July 27-August 6

Other Theatre Performances

The Department of Creative Writing presented "Sideshow", a performance of original skits and songs written by student playwrights and song writers.

The Musical Theatre Society, MUSSOC, presented "Merrily We Roll Along" involving students from the Theatre Department and the School of Music.

The Theatre Department presented Act II of "Don Juan" by Moliere in the Faculty Club Lounge for a conference on 18th century literature.

The Department of Asian Studies organized presentation of Homma Fusataka Japanese Noh Troupe in February at the Asian Centre and the Museum of Anthropology on campus, and at the Vancouver East Cultural Centre.

The Department of Hispanic and Italian Studies presented two performances by students of "Sublime Decisión" by Miguel Mihura. The Department also sponsored two classical guitar concerts at the Faculty Club and in Robson Square, by musicians from Toronto and Spain.

The Department of Creative Writing, in cooperation with Theatre Departments at Vancouver Community and Capilano College, Vancouver secondary schools, and the New Play Centre, presented "Brave New Play Rites", a festival of short original plays by members of the 510/410 workshops, held at the Vancouver Little Theatre.

Readings of Poetry, Fiction and Plays

The Department of Creative Writing sponsored several readings. Among these were "New Shoots 1988", reading of work by secondary school students featured in the *New Shoots* magazine. In April the

Department organized a bi-lingual reading by Jose Emilio Pacheco and George McWhirter from *The Selected Poems of Jose Emilio Pacheco*.

The Department of Germanic Studies sponsored readings by West German writers Edgar Hilsenrath in November and Stefan Schütz in March, and by Swedish writer Heidi von Born in March.

Exhibitions in the Fine Arts Gallery

8 Sept.-9 Oct. 1987	In the Tiger Infested Ravines of the Jumna River A Site Specific Work by Carel Moiseiwitsch
13 Oct.-7 Nov.	Taking Sides in South Africa Photographs by Afro-Pix, a South African Photographic Collective
12 Nov.-18 Dec.	30 Years of Design on the Land The Work of Sasaki Associates, Inc.
12 Jan.-6 Feb. 1988	Search (into matter) Three New Sculptural Works by Richard Prince
9 Feb.-5 March	Keveeok, Awake! Mamnguqsualuk and the Rebirth of Legend at Baker Lake
8-31 March	Chinatown Interiors Black and White Photography by Pok-Chi Lau
6-29 April	Terragraphs and Calligrams Recent Work by Keith Mitchell
6 July-12 Aug.	Anne Vaasjo: Resurrection

Other Exhibitions

The Department of French sponsored the "Benjamin Constant: A Life in the Service of Freedom (1767-1830)" photographic exhibit prepared by the Government of Switzerland, held at UBC from January 25 to February 5. UBC was one of several Canadian and American universities which took advantage of the North American tour of this excellent exhibit.

PROVINCE-WIDE CONTINUING EDUCATION SERVICES

As in the past years, UBC Faculties, schools and departments provided continuing education to residents in non-metropolitan areas in 1987-88. This important continuing education effort was aided in part by specially designated funds for distance education provided by the Ministry of Advanced Education and Job Training. Unfortunately these funds continue to be more and more limited, and their future provision is uncertain. Although, as can be seen throughout this report, many departments contributed to the province-wide effort, the major thrusts are highlighted again below.

UBC Access: Guided Independent Study served 1,240 students in more than 50 credit and two non-credit courses. With the recent establishment of the Open University, The University of British Columbia transfered all its first and second year distance education courses in Arts from UBC to the Open University at the end of August 1987. UBC now concentrates its distance credit education on third and fourth year courses in the Faculty of Arts and on courses in professional faculties. A growing number of courses is now available by distance education in four of the professional degree programs: Agricultural Sciences, Education, Forestry and Nursing.

The Faculty of Education continues to be the major contributor to province-wide delivery of professional development. In addition to numerous lectures, workshops and other events which served more than 62,000 participants, the Faculty also operates a major video tape library which is being used by many teachers for in-service training.

The Division of Continuing Education in the Health Sciences also continued with its important service to health professionals throughout the province. All in all, 202 courses were held off campus, with 6,567 participants. This provision would not be possible without the innovative network of regional co-ordinators, which the Division developed in the last few years.

The Faculty of Commerce and Business Administration, through its Professional Programs, offered again in 1987-88 a considerable program of correspondence courses in accounting and real estate, reaching many individual throughout the province.

Through the ongoing delivery of continuing education to many parts of the province, the University of British Columbia demonstrates its commitment to the province-wide mandate bestowed upon it by the *University Act*.

UBC SPEAKERS BUREAU

The Speakers Bureau recommends UBC faculty as speakers for large and small audiences throughout the Lower Mainland, helps planners to select interesting speaking topics and recommends speakers on topics requested by organizations. In 1988 the Bureau expanded its scope to include servicing conferences, business, hospitality and government organizations as well as the traditional nonprofit community user groups.

Faculty from all twelve faculties are available to address research topics in their areas of expertise. Speakers are available to talk on current events, including business, economic, political, natural resource, science, and technology topics. Topics from the areas of history, literature, psychology, health sciences, recreation, and fine and performing arts are also available.

Most faculty are available without a fee to nonprofit groups. Service clubs and business organizations in a position to offer honoraria or fees can negotiate these arrangements with individual speakers. The Speakers Bureau services are free of charge.

The UBC Speakers Bureau was funded by the University and administered by the Alumni Association for its first twelve years, during which time the Bureau arranged more than 3,500 engagements for schools, senior citizen groups, preschools, professional associations, hospital and other organizations. In the Spring of 1987 the UBC Speakers Bureau was transferred from the Alumni Association to the Community Relations Office, where it will reopen in September 1988.

THE UNIVERSITY OF BRITISH COLUMBIA
STATISTICAL SUMMARY OF REGISTRATIONS IN CONTINUING EDUCATION PROGRAMS 1987-88

	Credit	Non-credit
Office of Extra-Sessional Studies	11,921	
Faculty of Education Off Campus Credit Courses	1,728	
UBC Access: Guided Independent Study	1,240	28
Centre for Continuing Education		34,982
Division of Continuing Education in the Health Sciences		15,348
Professional Programs of the Faculty of Commerce and Business Administration		9,479
Professional Continuing Education Program of the School of Social Work		772
Professional Continuing and Distance Education Program of the Faculty of Agricultural Sciences		719
Professional Continuing and Distance Education Program of the Faculty of Education		62,711 *
Professional Continuing and Distance Education Program of the Faculty of Forestry		1,495
School of Physical Education and Recreation Community Sport Services Adult Program		210
UBC Botanical Garden Continuing Education		500
TOTAL REGISTRATION	14,889	126,244

*Includes Faculty sponsored continuing education events as well as events sponsored by other bodies where Faculty members served as resource persons.